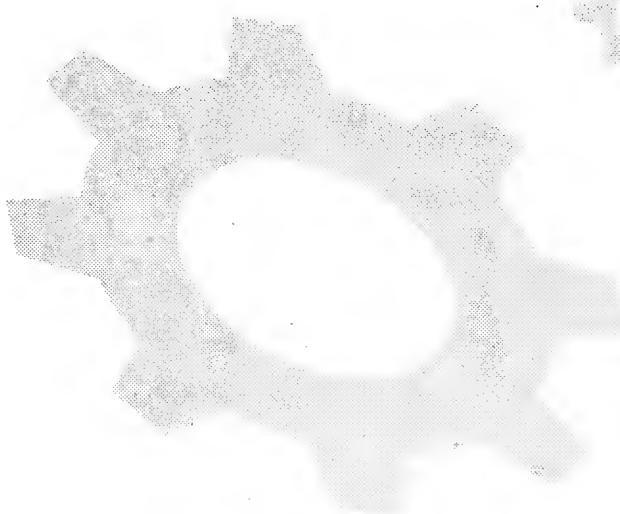


FIRST EDITION - MARCH '94

# Ontario's Green Industries

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④ Ontario



GREEN INDUSTRY STRATEGY



## **ACKNOWLEDGEMENT**

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Ontario companies that wish to be included in future updates of the FAITC directory are encouraged to contact:

International Trade Centre  
1 Front St. West, 4th Floor  
Toronto, Ontario  
M5J 1A4  
416/973-4782

Enquiries regarding these companies may be directed to the Trade Development Branch of the Ontario Ministry of Economic Development and Trade (voice: 416/325-6816; fax: 416/325-6653).

March 1994

## HOW TO USE THIS DIRECTORY

The *List of Companies* lists Ontario based companies in *alphabetical order*.

The *List of Companies by Sub-sector*, classifies companies according to the following categories:

- Air Pollution Control
- Hazardous Waste
- Monitoring
- Noise Pollution Control
- Oil Spill
- Recycling
- Resource Management
- Site Reclamation
- Solid Waste
- Water & Wastewater

The *List of Products and Services* at the back of the directory identifies the products and services that participating companies offer.

## LIST OF COMPANIES

3-L Filters Ltd.  
A-1 Products Corp.  
ABBA Parts Inc.  
Acres International Ltd.  
Adamas Environmental Inc.  
AECL Research  
Aer-O-Flo Environmental Inc.  
Aggro Recovery Inc.  
Agrodev Canada Inc.  
Albarrie Canada Ltd.  
AlphaNUCLEAR Company  
Amkrete Inc.  
Anachemia Solvents Ltd.  
Angus Environmental Ltd.  
Aquarobic Ltd.  
Arcturus Environmental Ltd.  
Arjay Engineering Ltd.  
Arlat Inc.  
Armstrong Monitoring Corp. (The)  
Armtac  
Arthur S. Leitch Company Ltd. (The)  
Asea Brown Boveri (ABB) Inc.  
ASW Computer Systems Ltd.  
Atria Engineering Hydraulics Inc.  
Baird & Associates  
Barringer Research Ltd.  
Beak Consultants Ltd.  
Bechtel Canada Inc.  
Biobrn Division  
Boojum Research Ltd  
Boundary Layer Wind Tunnel Laboratory  
Broer Services Ltd.  
Buckham Transport Ltd.  
CadhamHayes Systems Inc.  
Can-Ross Environmental Services Ltd.  
Canadian Drives Inc.  
Canadian Eagle Recyclers Inc.  
Canadian Environmental Directory  
Canpolar Inc.  
Canspect Corporation  
Capital Petroleum Services Ltd.  
Chemical Equipment Fabricators Ltd.  
Church & Trought Inc.  
CMS Group Inc.  
Comcor Waste Systems Ltd.  
Comptank Corp.  
Concord Environmental Corp.  
Conestoga-Rovers & Associates Ltd.  
Control Microsystems Inc.  
Covertech Fabricating Inc.  
CPRT Laboratories Inc.  
Culligan of Canada Ltd.  
Cusco Fabricators Inc.  
Cyanide Destruct Systems Inc.  
  
D. Greenfield Associates Ltd  
Delcan International Corporation  
Dennis Netherton Engineering  
Diesel Controls Ltd  
DPA Group (International) Inc., (The)  
Duraton Systems Ltd.  
Eco-Tec Ltd  
Ecodyne Ltd.  
ECO Equipment Inc  
Ecolad Corporation  
Ecolo Odor Control Systems  
Ecoplant Programs Corporation  
Eco Wood Products Ltd.  
EIMCO Process Equipment  
Elasto-Valve Rubber Products  
Elsag Bailey Inc.  
Emerson Electric Canada Ltd.  
Emery International Developments Ltd.  
Envervac Corporation  
Engine Control Systems Ltd  
Engineering Dynamics Ltd  
Envirodata Ltd.  
Envirogard Products Ltd  
Enviromega Ltd  
EnviroMetal Technologies Inc.  
Environmental Technologies International Inc.  
Environment Protection Laboratories Inc.  
EOD Ground Technology Inc.  
Exploranium G.S. Ltd.  
Fischer and Porter Canada Ltd.  
Fisher Controls Inc.  
Five Seasons Comfort Ltd.  
G.E.T Industries Inc.  
Garther Lee Ltd  
Gensco Equipment (1990) Inc.  
Georgian College of Applied Arts & Technology  
GeoVision Systems Inc.  
Glegg Water Conditioning Inc.  
Global Sensor Systems Inc.  
Glos Engineering Ltd  
Goodfellow Consultants Inc.  
Gore & Storrie Ltd.  
Gregory Geoscience Ltd.  
Grow-Rich Inc.  
GSW Pump Company  
H.Q.N. Industrial Fabrics Inc.  
H. Sutcliffe Ltd.  
Halozone Recycling Inc.  
Hamilton Dynamic Process Equipment  
Hammant Car & Engineering Ltd.  
Hankin Atlas Ozone Systems Ltd.  
Hatch Associates Ltd.  
HCI Waste Plan  
Heathwood Engineering Associates Ltd.

Henderson, Paddon Environmental Inc.  
Howe International Ltd  
Hydrobotics Engineering Canada Inc  
Hydromantis Inc.  
Hygenius Inc.  
IMET-EER  
Industrial Filter Fabrics Ltd  
Interprovincial Corrosion Control Company Ltd  
Jasmetech Metal Technologies Inc.  
Kenox Corporation  
Knopafex - Cues Canada  
Koch Engineering Company Ltd  
KPMG Environmental Services Inc.  
Kresin Engineering & Planning Ltd.  
L.H Resource Management Inc.  
L.H Schwinti & Company Inc.  
LaFontaine, Cowie, Buratto, & Associates Ltd  
Laidlaw Inc.  
Leferink Transfer Ltd.  
Listle-Metrix Ltd  
M M. Dillon Ltd  
M & I Air Systems Engineering Ltd  
Mann Testing Laboratories Ltd.  
Markland Specialty Engineering Ltd  
Marshall, Macklin, Monaghan Ltd  
Marsh Engineering Limited  
MBB-Trecan Inc.  
McCarthy Robinson Inc.  
Mega Industries Inc.  
Milltronics Ltd  
Monenco  
Mowat Fabrication Ltd.  
MultiVIEW Geoservices Inc  
Neles-Jamesbury Ltd.  
Norland Science & Engineering Ltd  
Northland Power  
Numet Engineering Ltd (NEL)  
Nutech Environmental  
Ont. Centre for Env. Tech. Advancement (OCETA)  
Ontario Centre for Materials Research (OCMR)  
Ontario Hydro  
Optech Inc.  
ORTECH International  
Patterson Industries (Canada) Ltd  
Philip Environmental Group  
Pollutech Environmental Ltd.  
PPM Canada Inc.

Proctor & Redfern Ltd  
Quatrosense Environmental Ltd  
R.P.A. Consultants Ltd  
R V Anderson Associates Ltd  
Recovery Technologies Inc.  
Resource Integration Systems Ltd.  
Resource Systems Management  
Rocvent Inc.  
Rowan Williams Davies & Irwin Inc.  
Royal Pipe Company  
Sault College of Applied Arts & Technology  
Scicorp Systems Inc.  
Sciex  
Sensors & Software Inc  
Septo-Clean Company Ltd.  
Sherex NGV Inc.  
Shred-Tech Ltd  
Simcoe Engineering Group Ltd  
Smart Turner Pumps  
Solarchem Enterprises Inc  
Solinst  
SRD Sustainable Resource Development Inc.  
Staveley Weighing & Systems Canada Inc.  
Stone & Webster Canada Ltd  
Sussex Environmental Services Inc.  
Tallon Metal Technologies Inc.  
Tanknology Canada (1988) Inc.  
Techstar Plastics Inc.  
Terrafix Geosynthetics Inc.  
Thomson & Nielsen Electronics Ltd  
Trojan Technologies Inc  
Trow Consulting Engineers Ltd  
Turbotak Technologies Inc.  
UMA Engineering Ltd  
Unifin International Inc  
Universal Handling Equipment Company Ltd  
VHB Hickling  
Walinga Inc.  
Waste Business Int'l Magazines  
Wastewater Technology Centre (WTC)  
Water and Earth Science Associates Ltd.  
Waterloo Centre for Groundwater Research  
WCI Wood Conversion Inc.  
Weiss Systems Inc.  
William R. Perrin Company Ltd  
Zerion Environmental Inc.  
Zimmark Inc

## LIST OF COMPANIES BY SUB-SECTOR

### **AIR POLLUTION CONTROL**

Acres International Ltd.  
AECL Research  
Albarri Canada Ltd.  
AlphaNUCLEAR Company  
Angus Environmental Ltd.  
Arcturus Environmental Ltd.  
Asea Brown Boveri (ABB) Inc  
Barringer Research Ltd.  
Beak Consultants Ltd.  
Bechtel Canada Inc.  
Boundary Layer Wind Tunnel Laboratory  
Canspect Corporation  
Capital Petroleum Services Ltd.  
Chemical Equipment Fabricators Ltd.  
Church & Trought Inc.  
Concord Environmental Corp.  
Conestoga-Rovers & Associates Ltd.  
Delcan International Corporation  
Diesel Controls Ltd  
DPA Group (International) Inc., (The)  
Ecolo Odor Control Systems  
Elasto-Valve Rubber Products  
Elsag Bailey Inc.  
Emerson Electric Canada Ltd.  
Engine Control Systems Ltd  
Engineering Dynamics Ltd.  
Environmental Technologies International Inc.  
Fisher Controls Inc.  
Five Seasons Comfort Ltd  
Glos Engineering Ltd  
Goodfellow Consultants Inc.  
Gore & Storie Ltd.  
Halozone Recycling Inc.  
Hankin Atlas Ozone Systems Ltd  
Hatch Associates Ltd.  
Heathwood Engineering Associates Ltd  
Henderson, Paddon Environmental Inc.  
Howe International Ltd.  
IMET-EER  
Industrial Filter Fabrics Ltd  
L.H. Schwindt & Company Inc.  
Laidlaw Inc.  
M & I Air Systems Engineering Ltd.  
McCarthy Robinson Inc.  
Monenco  
Mowat Fabrication Ltd.  
Neles-Jamesbury Ltd.  
Nutech Environmental  
Ontario Hydro  
ORTECH International  
Pollutech Environmental Ltd.  
Quatrosense Environmental Ltd  
R.V. Anderson Associates Ltd

### Rowan Williams Davies & Irwin Inc.

Sault College of Applied Arts & Technology  
Sherex NGV Inc.  
Solarchem Enterprises Inc.  
SRD Sustainable Resource Development Inc.  
Stone & Webster Canada Ltd.  
Turbotak Technologies Inc.  
Unifin International Inc.  
VHB Hickling  
Weiss Systems Inc.

### **HAZARDOUS WASTE**

Acres International Ltd  
AECL Research  
Aggo Recovery Inc.  
Anachemia Solvents Ltd  
Angus Environmental Ltd  
Arcturus Environmental Ltd  
Armtac  
ASW Computer Systems Ltd  
Beak Consultants Ltd  
Bechtel Canada Inc  
Buckham Transport Ltd.  
Can-Ross Environmental Services Ltd.  
Canpolar Inc.  
Capital Petroleum Services Ltd.  
Church & Trought Inc.  
Comptank Corp.  
Concord Environmental Corp.  
Conestoga-Rovers & Associates Ltd.  
Cusco Fabricators Inc  
Cyanide Destruct Systems Inc.  
Delcan International Corporation  
Dennis Netherton Engineering  
DPA Group (International) Inc., (The)  
Enviromega Ltd.  
EOD Ground Technology Inc.  
Gartner Lee Ltd  
Global Sensor Systems Inc.  
Goodfellow Consultants Inc.  
Gore & Storie Ltd.  
H.Q.N Industrial Fabrics Inc.  
Halozone Recycling Inc.  
Hammant Car & Engineering Ltd.  
Hankin Atlas Ozone Systems Ltd.  
Hatch Associates Ltd.  
HCI Waste Plan  
IMET-EER  
Jasmetech Metal Technologies Inc.  
Kenox Corporation  
L.H. Schwindt & Company Inc.  
Laidlaw Inc.  
M.M. Dillon Ltd  
Mann Testing Laboratories Ltd.

Marshall, Macklin, Monaghan Ltd  
MBB-Trecan Inc  
Monenco  
Numet Engineering Ltd (NEL)  
Nutech Environmental  
Ontario Centre for Materials Research (OCMR)  
Ontario Centre for Environmental  
Technology Advancement (OCETA)  
Ontario Hydro  
Pollutech Environmental Ltd  
PPM Canada Inc.  
Proctor & Redfern Ltd  
Quatrosense Environmental Ltd  
R.P.A Consultants Ltd.  
R.V. Anderson Associates Ltd  
Resource Systems Management  
Rovcent Inc  
Sault College of Applied Arts & Technology  
Scicorp Systems Inc.  
Shred-Tech Ltd  
SRD Sustainable Resource Development Inc.  
Stone & Webster Canada Ltd  
Sussex Environmental Services Inc.  
Tallon Metal Technologies Inc.  
Terrafix Geosynthetics Inc.  
Trow Consulting Engineers Ltd.  
UMA Engineering Ltd  
VHB Hickling  
Waste Business Int'l Magazines  
Water and Earth Science Associates Ltd  
William R Perrin Company Ltd

#### **MONITORING**

---

Acres International Ltd.  
Adamas Environmental Inc.  
AECL Research  
Agrodev Canada Inc.  
AlphaNUCLEAR Company  
Angus Environmental Ltd.  
Arcturus Environmental Ltd.  
Arjay Engineering Ltd.  
Armstrong Monitoring Corp (The)  
ASW Computer Systems Ltd  
Baird & Associates  
Barringer Research Ltd.  
Beak Consultants Ltd  
Bechtel Canada Inc.  
Boundary Layer Wind Tunnel Laboratory  
CadhamHayes Systems Inc.  
Canpolar Inc.  
Canspect Corporation  
Church & Trought Inc.  
Comcor Waste Systems Ltd.  
Concord Environmental Corp  
Control Microsystems Inc.  
CPRT Laboratories Inc.  
Dennis Netherton Engineering

DPA Group (International) Inc., (The)  
Duratron Systems Ltd  
Elsag Bailey Inc  
Envirodata Ltd  
Envromega Ltd  
Environmental Technologies International Inc  
Environment Protection Laboratories Inc.  
Exploranium G S Ltd.  
Gartner Lee Ltd  
Glos Engineering Ltd  
Goodfellow Consultants Inc.  
Gore & Storrie Ltd  
Gregory Geoscience Ltd  
Hatch Associates Ltd.  
HCI Waste Plan  
Henderson, Paddon Environmental Inc  
Hydrobotics Engineering Canada Inc  
Hygenius Inc.  
Interprovincial Corrosion Control Company Ltd.  
KPMG Environmental Services Inc.  
Lisle-Metrix Ltd.  
M.M. Dillon Ltd  
Mann Testing Laboratories Ltd  
Markland Specialty Engineering Ltd  
Marsh Engineering Limited  
Milltronics Ltd  
Monenco  
MultiVIEW Geoservices Inc  
Norland Science & Engineering Ltd.  
Ontario Hydro  
Optech Inc  
ORTECH International  
Pollutech Environmental Ltd  
Quatrosense Environmental Ltd  
R.P.A Consultants Ltd.  
R.V. Anderson Associates Ltd  
Resource Systems Management  
Rowan Williams Davies & Irwin Inc  
Sault College of Applied Arts & Technology  
Sciex  
Sensors & Software Inc.  
Solinst  
SRD Sustainable Resource Development Inc.  
Staveley Weighing & Systems Canada Inc.  
Tanknology Canada (1988) Inc.  
Thomson & Nielsen Electronics Ltd.  
Trow Consulting Engineers Ltd.  
UMA Engineering Ltd  
Water and Earth Science Associates Ltd  
Waterloo Centre for Groundwater Research  
Weiss Systems Inc.  
Zenon Environmental Inc.

#### **NOISE POLLUTION CONTROL**

---

Acres International Ltd.  
Hatch Associates Ltd.  
M & I Air Systems Engineering Ltd.

McCarthy Robinson Inc.  
UMA Engineering Ltd.

**OIL SPILL**

---

Arcturus Environmental Ltd.  
Arjay Engineering Ltd.  
Atria Engineering Hydraulics Inc.  
Barringer Research Ltd.  
Beak Consultants Ltd.  
Buckham Transport Ltd.  
Can-Ross Environmental Services Ltd.  
Carpolar Inc.  
Comptank Corp.  
Conestoga-Rovers & Associates Ltd.  
Cusco Fabricators Inc.  
Enervac Corporation  
Environmental Technologies International Inc.  
Gartner Lee Ltd.  
H.Q.N. Industrial Fabrics Inc.  
Monenco  
MultiVIEW Geoservices Inc.  
R.V. Anderson Associates Ltd.  
Resource Systems Management  
Rocvent Inc.  
Sensors & Software Inc.  
SRD Sustainable Resource Development Inc.  
Trow Consulting Engineers Ltd.  
UMA Engineering Ltd.  
Water and Earth Science Associates Ltd.  
Zenon Environmental Inc.

**RECYCLING**

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A-1 Products Corp.  
Acres International Ltd  
Aer-O-Flo Environmental Inc.  
Agglo Recovery Inc.  
Anachemia Solvents Ltd.  
Angus Environmental Ltd.  
Arcturus Environmental Ltd.  
Beak Consultants Ltd.  
Bechtel Canada Inc.  
Broer Services Ltd.  
Buckham Transport Ltd.  
Canadian Eagle Recyclers Inc.  
Conestoga-Rovers & Associates Ltd.  
Cyanide Destruct Systems Inc.  
Eco-Tec Ltd.  
Ecolad Corporation  
Eco Wood Products Ltd.  
Emery International Developments Ltd.  
Enervac Corporation  
Environmental Technologies International Inc.  
Gartner Lee Ltd.  
Gensco Equipment (1990) Inc.  
Global Sensor Systems Inc.  
Glos Engineering Ltd.  
Grow-Rich Inc.

H. Sutcliffe Ltd.  
Halozone Recycling Inc.  
Hatch Associates Ltd.  
HCI Waste Plan  
Henderson, Paddon Environmental Inc.  
Jasmitech Metal Technologies Inc  
L.H. Schwindt & Company Inc.  
Laidlaw Inc.  
Leferink Transfer Ltd  
M.M. Dillon Ltd  
Mega Industries Inc.  
Monenco  
Mowat Fabrication Ltd  
Neles-Jamesbury Ltd.  
Northland Power  
Ontario Centre for Materials Research (OCMR)  
ORTECH International  
Philip Environmental Group  
Pollutech Environmental Ltd  
Proctor & Redfern Ltd  
R.P.A. Consultants Ltd.  
R.V. Anderson Associates Ltd  
Recovery Technologies Inc.  
Resource Integration Systems Ltd.  
Resource Systems Management  
Sault College of Applied Arts & Technology  
Shred-Tech Ltd  
SRD Sustainable Resource Development Inc.  
Staveley Weighing & Systems Canada Inc.  
Stone & Webster Canada Ltd.  
Techstar Plastics Inc.  
Trow Consulting Engineers Ltd.  
UMA Engineering Ltd.  
Universal Handling Equipment Company Ltd  
VHB Hickling  
Walinga Inc.  
Water and Earth Science Associates Ltd.  
WCI Wood Conversion Inc.  
Zenon Environmental Inc.  
Zimmark Inc.

**RESOURCE MANAGEMENT**

---

Acres International Ltd.  
Adamas Environmental Inc.  
Agrodev Canada Inc.  
Anachemia Solvents Ltd.  
Angus Environmental Ltd.  
Arcturus Environmental Ltd.  
Atria Engineering Hydraulics Inc.  
Barringer Research Ltd.  
Beak Consultants Ltd.  
Bechtel Canada Inc.  
Boundary Layer Wind Tunnel Laboratory  
Comcor Waste Systems Ltd.  
Conestoga-Rovers & Associates Ltd.  
Covertech Fabricating Inc.  
CPRT Laboratories Inc.

Cyanide Destruct Systems Inc.  
Delcan International Corporation  
Dennis Netherton Engineering  
DPA Group (International) Inc., (The)  
Gartner Lee Ltd  
Georgian College of Applied Arts & Technology  
GeoVision Systems Inc.  
Gregory Geoscience Ltd.  
Heathwood Engineering Associates Ltd.  
KPMG Environmental Services Inc.  
Marshall, Macklin, Monaghan Ltd.  
Ontario Centre for Materials Research (OCMR)  
R.V. Anderson Associates Ltd.  
Resource Systems Management  
SRD Sustainable Resource Development Inc.  
Terrafix Geosynthetics Inc.  
Trow Consulting Engineers Ltd.  
UMA Engineering Ltd.  
Universal Handling Equipment Company Ltd  
VHB Hickling  
Water and Earth Science Associates Ltd  
Weiss Systems Inc.

#### **SITE RECLAMATION**

---

Acres International Ltd.  
Adamas Environmental Inc.  
AECL Research  
Aggo Recovery Inc.  
Agrodev Canada Inc.  
Angus Environmental Ltd  
Arcturus Environmental Ltd  
Beak Consultants Ltd.  
Bechtel Canada Inc.  
Boojum Research Ltd.  
Buckham Transport Ltd.  
Canpolar Inc.  
Capital Petroleum Services Ltd  
Comcor Waste Systems Ltd.  
Conestoga-Rovers & Associates Ltd.  
D. Greenfield Associates Ltd.  
Dennis Netherton Engineering  
EOD Ground Technology Inc.  
Gartner Lee Ltd.  
Glos Engineering Ltd.  
Hatch Associates Ltd.  
HCI Waste Plan  
Henderson, Paddon Environmental Inc.  
Jasmetech Metal Technologies Inc.  
Kresin Engineering & Planning Ltd.  
L.H. Schwindt & Company Inc.  
Laidlaw Inc  
M.M. Dillon Ltd  
Marshall, Macklin, Monaghan Ltd  
Monenco  
MultiVIEW Geoservices Inc.  
Pollutech Environmental Ltd.  
R.V. Anderson Associates Ltd.

Resource Systems Management  
Sault College of Applied Arts & Technology  
SRD Sustainable Resource Development Inc.  
Stone & Webster Canada Ltd.  
Sussex Environmental Services Inc.  
Tallon Metal Technologies Inc.  
Trow Consulting Engineers Ltd.  
UMA Engineering Ltd.  
Wastewater Technology Centre (WTC)  
Water and Earth Science Associates Ltd.  
Waterloo Centre for Groundwater Research  
WCI Wood Conversion Inc.

#### **SOLID WASTE**

---

A-1 Products Corp.  
Acres International Ltd  
AECL Research  
Aggo Recovery Inc.  
Albarrie Canada Ltd  
Angus Environmental Ltd  
Arcturus Environmental Ltd.  
Armetec  
Beak Consultants Ltd.  
Bechtel Canada Inc.  
Biobrn Division  
Broer Services Ltd  
Buckham Transport Ltd.  
Canadian Eagle Recyclers Inc.  
Canspect Corporation  
Capital Petroleum Services Ltd  
Church & Trought Inc.  
Comcor Waste Systems Ltd  
Conestoga-Rovers & Associates Ltd.  
Covertech Fabricating Inc.  
Delcan International Corporation  
Dennis Netherton Engineering  
ECO Equipment Inc.  
Ecolad Corporation  
Environmental Technologies International Inc.  
EOD Ground Technology Inc.  
Gartner Lee Ltd  
Gensco Equipment (1990) Inc.  
Global Sensor Systems Inc.  
Glos Engineering Ltd  
Goodfellow Consultants Inc.  
Gore & Storrie Ltd.  
H.Q.N. Industrial Fabrics Inc.  
H. Sutcliffe Ltd  
Hammant Car & Engineering Ltd.  
Hatch Associates Ltd.  
HCI Waste Plan  
Henderson, Paddon Environmental Inc.  
Kresin Engineering & Planning Ltd.  
LaFontaine, Cowie, Buratto, & Associates Ltd.  
Laidlaw Inc.  
Leferink Transfer Ltd.  
M.M. Dillon Ltd.

Mann Testing Laboratories Ltd  
Marshall, Macklin, Monaghan Ltd  
MBB-Trecan Inc.  
Monenco  
Ontario Centre for Materials Research (OCMR)  
ORTECH International  
Proctor & Redfern Ltd.  
Quatrosense Environmental Ltd.  
R.P.A. Consultants Ltd.  
R.V. Anderson Associates Ltd.  
Resource Integration Systems Ltd.  
Resource Systems Management  
Sault College of Applied Arts & Technology  
Scicorp Systems Inc.  
Septo-Clean Company Ltd.  
Shred-Tech Ltd.  
Smart Turner Pumps  
SRD Sustainable Resource Development Inc.  
Stone & Webster Canada Ltd.  
Sussex Environmental Services Inc.  
Tallon Metal Technologies Inc.  
Terrafix Geosynthetics Inc.  
Trow Consulting Engineers Ltd  
UMA Engineering Ltd.  
Universal Handling Equipment Company Ltd  
VHB Hickling  
Wastewater Technology Centre (WTC)  
Water and Earth Science Associates Ltd.  
WCI Wood Conversion Inc.

#### **WATER & WASTEWATER**

---

3-L Filters Ltd  
ABBA Parts Inc.  
Acres International Ltd.  
AECL Research  
Aer-O-Flo Environmental Inc.  
Albarrie Canada Ltd.  
Amkrete Inc.  
Aquarobic Ltd.  
Arcturus Environmental Ltd.  
Arjay Engineering Ltd.  
Arlat Inc.  
Armetec  
Arthur S. Leitch Company Ltd (The)  
ASW Computer Systems Ltd.  
Atria Engineering Hydraulics Inc.  
Beak Consultants Ltd.  
Bechtel Canada Inc.  
Boojum Research Ltd.  
CadhamHayes Systems Inc.  
Canadian Drives Inc.  
Canspect Corporation  
Capital Petroleum Services Ltd.  
Chemical Equipment Fabricators Ltd.  
Church & Trought Inc.  
CMS Group Inc.  
Comptank Corp.

Conestoga-Rovers & Associates Ltd  
Control Microsystems Inc.  
CPRT Laboratories Inc.  
Culligan of Canada Ltd.  
Cusco Fabricators Inc.  
D. Greenfield Associates Ltd.  
Delcan International Corporation  
Dennis Netherton Engineering  
DPA Group (International) Inc., (The)  
Duraton Systems Ltd.  
Eco-Tec Ltd.  
Ecodyne Ltd  
ECO Equipment Inc.  
EIMCO Process Equipment  
Elasto-Valve Rubber Products  
Elsag Bailey Inc.  
Emerson Electric Canada Ltd.  
Enervac Corporation  
Envirodata Ltd.  
Envirogard Products Ltd  
Envromega Ltd.  
EnviroMetal Technologies Inc.  
Environmental Technologies International Inc.  
Fischer and Porter Canada Ltd.  
G.E.T. Industries Inc.  
Georgian College of Applied Arts & Technology  
Glegg Water Conditioning Inc.  
Glos Engineering Ltd.  
Gore & Storrie Ltd  
GSW Pump Company  
H. Sutcliffe Ltd  
Hamilton Dynamic Process Equipment  
Hankin Atlas Ozone Systems Ltd.  
Hatch Associates Ltd  
Henderson, Paddon Environmental Inc.  
Howe International Ltd.  
Hydrobotics Engineering Canada Inc.  
Hydromantis Inc.  
Interprovincial Corrosion Control Company Ltd.  
Jasmetech Metal Technologies Inc.  
KenoX Corporation  
Knopafex - Cues Canada  
Koch Engineering Company Ltd  
Kresin Engineering & Planning Ltd.  
L.H. Resource Management Inc.  
L.H. Schwindt & Company Inc.  
LaFontaine, Cowie, Buratto, & Associates Ltd.  
Laidlaw Inc.  
Lisle-Metrix Ltd  
M.M. Dillon Ltd.  
Mann Testing Laboratories Ltd.  
Markland Specialty Engineering Ltd.  
Marshall, Macklin, Monaghan Ltd.  
Marsh Engineering Limited  
Miltronics Ltd.  
Monenco  
MultiVIEW Geoservices Inc.

Neles-Jamesbury Ltd  
Nutech Environmental  
ORTECH International  
Patterson Industries (Canada) Ltd.  
Pollutech Environmental Ltd  
Proctor & Redfern Ltd  
Quatrosense Environmental Ltd  
R.P.A. Consultants Ltd  
R.V Anderson Associates Ltd  
Royal Pipe Company  
Sault College of Applied Arts & Technology  
Scicorp Systems Inc.  
Sensors & Software Inc  
Septo-Clean Company Ltd  
Simcoe Engineering Group Ltd  
Smart Turner Pumps  
Solarchem Enterprises Inc.

Solinst  
SRD Sustainable Resource Development Inc  
Stone & Webster Canada Ltd.  
Sussex Environmental Services Inc.  
Tallon Metal Technologies Inc.  
Terrafix Geosynthetics Inc  
Trojan Technologies Inc.  
Trow Consulting Engineers Ltd  
UMA Engineering Ltd.  
VHB Hickling  
Wastewater Technology Centre (WTC)  
Water and Earth Science Associates Ltd  
Waterloo Centre for Groundwater Research  
Weiss Systems Inc  
William R. Perrin Company Ltd  
Zenon Environmental Inc  
Zimmark Inc.





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**3-L Filters Ltd.**

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427 Elgin St. North  
Cambridge, ON  
N1R 8G4

Tel: 519/621-9949      Fax: 519/621-3371

Contact: *Mr. George Foss*  
*Vice-President, Operations*

**WATER & WASTEWATER**

*Activated Carbon Treatment Systems*  
*Decontamination Systems*  
*Dryers*  
*Filters*  
*Filter Systems*  
*Gas/Liquid/Solid Separation Equipment*  
*Groundwater Treatment*  
*Hydrocarbon Processing*  
*Oil Production & Refinery*  
*Oil/Water Separators*  
*Pilot Plants for Process Research*  
*Separators*  
*Wastewater Treatment Services*

**Company/Product:** From its original position as a petroleum industry supplier, 3-L has extended its expertise into filtration for waste water treatment, coolants, solvents, lubricants, and gases. The company engineers and fabricates ion exchangers, vapour recovery dryers, filter vessels, and other process equipment for nuclear power plants in several countries.

The company's primary area of expertise is in process and pressure vessel technology. 3-L has alliances with leading manufacturers of filtration media for specific process applications. 3-L can effectively combine the process expertise of this wide range of products with its own specialized skill in custom pressure vessel designs. The engineering group can undertake complete wind/seismic stress analysis.

Over the last few years 3-L Filters has undertaken a series of projects including water remediation and treatment. The company operates mobile and fixed installation systems serving short- and long-term water remediation projects.

**Current Activities** Clientele of 3-L Filters includes the following companies:

Amerada Hess  
Argentine Electric Authority  
Chinese Petroleum Corp.  
Esso Petroleum  
Hyundai Petrochemical  
Korean Electric Co.  
Shell Oil  
Washington Power

**Contact Sought:** 3-L Filters welcomes all proposals regarding joint ventures where the engineering, design, and management skills of the company can be utilized.

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**A-1 Products Corp.**

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19 - 342 Bronte St. South  
P O Box 447  
Milton, ON  
L9T 5B7

Tel: 416/875-2588      Fax: 416/875-2583

Contact: *Mr. Don Sexton*  
*General Manager*

**RECYCLING**  
**SOLID WASTE**

*Composting*  
*Containers*  
*Infrastructure Design*  
*Recycling*  
*Waste Disposal Systems*

**Company/Product:** Established in 1982, A-1 Products has grown steadily. The firm now serves many communities throughout Canada and the United States. A-1 Products is committed to providing products which will facilitate the realization of community recycling and waste reduction objectives.

The A-1 Product's "Blue Box" has become the standard of design and quality for over one thousand community programs.

Backyard composters were designed for maximum waste reduction and residential acceptance. Medical waste collection and disposal products have provided real cost effectiveness.

All A-1 products are of proven design to ensure maximum user acceptance and full program integration.

**Current Activities:** A-1 Products is very well established in Canada and the United States. Waste reduction and diversion program guidance and product support have been offered to communities around the world which have implemented community recycling programs.

**Contact Sought:** A-1 Products Corporation welcomes the opportunity for joint ventures in as well as initial product supply to municipal programs around the world.

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**ABBA Parts Inc.**

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A36 - 481 North Service Rd. W  
Oakville, ON  
L6M 2V6

Tel: 416/825-1881      Fax: 416/825-2263

Contact: *Mr. Barry Jasper*  
*Marketing Manager*

**WATER & WASTEWATER**

*Pump Parts*

**Company/Product:** ABBA Parts Inc. manufactures quality replacement parts for centrifugal pumps used in the wastewater field. ABBA specializes in the reproduction of wear parts for old established pump lines - for pumps of 4 inches to 54 inches discharge size. ABBA's parts are made of upgraded materials to give longer wearlife and are competitively priced. All parts are meticulously checked to ensure dimensional integrity, and modifications are made to overcome areas of weakness in the original part.

Distributors of ABBA products are encouraged not only to provide parts but also offer ABBA's field services to solve pumping problems of all types. ABBA's ability to offer modified designs, different construction materials, etc. allows the firm to give its customers reliable solutions at minimal maintenance costs.

ABBA maintains a large inventory of cast parts, especially impellers and suction covers.

**Current Activities:** Parts are sold to municipalities for sewage and water treatment plants and their associated pump stations in Canada and the U.S. through a network of 50 distributors.

#### **Acres International Ltd.**

480 University Ave., 13th Floor  
Toronto, ON  
M5G 1V2

Tel: 416/595-2000      Fax: 416/595-2004

Contact *J.S. Baker*  
*Vice President, Corporate Marketing & Development*

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
MONITORING  
NOISE POLLUTION CONTROL  
RECYCLING  
SOLID WASTE  
RESOURCE MANAGEMENT  
SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

#### **Audits/Assessments**

*Consulting Services (Energy Planning, Engineering)*

*Decommissioning*

*Geotechnical Studies*

*Groundwater Monitors*

*Hazardous Material Management/Services*

*Hydraulic Modelling & Research*

*Hydrogeological Surveys*

*Laboratories, Testing/Mobile & Fixed*

*Multi-Disciplinary Services*

*Natural Resource Management*

*Noise Controls*

*Project Management Services*

*Public Works Engineering*

*Radioactive Material Disposal*

*Remediation Services*

*Site Clean-up Management*

*Site Inspection*

*Sludge Handling/Treatment*  
*Soil Treatment/Reclamation*  
*Spill Containment*  
*Toxicity (Analysis)*  
*Training*

**Company/Product:** From offices across Canada and project offices worldwide, Acres undertakes assignments both in Canada and overseas. Clients include public utilities, industrial concerns, all levels of government, and major foreign aid financing institutions. The firm has seven decades of experience and a staff of 850 engineers, scientists, economists, and technical and administrative personnel. Assignments have been completed in 90 countries.

The company offers expert project and program management capabilities. Acres provides comprehensive multidisciplinary services, from conceptual and planning studies through final engineering and construction supervision. Principal fields of specialization are hydroelectric power, transmission and distribution, land and water resources, thermal/industrial, transportation, and environmental management.

Environmental consulting services include impact assessments, environmental and site audits, site remediation (e.g. land, underwater, radioactive waste, & mine closures), waste management, natural resource management, water quality assessment, emergency response planning, technology transfer & training, and laboratory services.

**Current Activities.** Acres' corporate head office is located in Toronto. Branch offices are situated in Vancouver, Calgary, Winnipeg, Niagara Falls, Halifax, Sydney, and St John's. An affiliate has offices in Amherst, N.Y. and Washington, D.C..

Acres pursues work in developing countries in Asia, Africa, and Latin America. The company's general long term strategy for market penetration has the following elements:

- establishing a position in individual countries through the provision of project and sector planning services in Acres' areas of strength;
- maintaining a long-term presence in each country with the objective of pursuing larger, more detailed design and project implementation assignments; and,
- diversifying into other areas.

**Contact Sought:** Acres works closely with client organizations and/or local consultants to transfer technology and build indigenous planning and engineering capabilities. Collaboration with local consulting firms is done on a project-by-project basis. Local representatives are appointed as required.

## **Adamas Environmental Inc.**

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40 Camelot Drive  
Nepean, ON  
K2G 5X8

Tel: 613/228-8704      Fax: 613/228-0457

Contact: *Mr Andy Rybak*  
*President*

MONITORING  
RESOURCE MANAGEMENT  
SITE RECLAMATION

*Activated Carbon Treatment Systems*

*Analytical Services*

*Audits/Assessments*

*Chemical Analysis Services*

*Clean-up Services*

*Consulting Services (Engineering)*

*Data Acquisition/Processing*

*Decontamination Systems*

*Engineering & Construction*

*Geophysical Services*

*Geotechnical Studies*

*Groundwater Monitors*

*Groundwater Treatment*

*Hydrogeological Surveys*

*Inspection (Soil)*

*Laboratories, Testing/Mobile & Fixed*

*Leachate Treatment*

*PCB Treatment/Disposal*

*Site Inspection*

*Soil Treatment/Reclamation*

*Spill Containment*

*Spill Monitors*

*Testing of Toxic Substances/Aquatic Setting*

*Toxicity (Analyzers)*

**Company/Product:** Adamas Environmental Inc. of Nepean, Ontario is a 100% Canadian owned multi-disciplinary engineering firm. The company specializes in environmental and geotechnical services. The professional staff of the company includes engineers, hydrogeologists, scientists, and support staff possessing a wide range of field, technical, and management experience. Over the years, these experts have developed efficient procedures and practical technologies for facilitating the assessment and remediation of contaminated sites. The strength of Adamas Environmental is based on the expertise and experience of its personnel, and innovative, state-of-the-art technologies developed and used by these professionals. In order to maintain up-to-date information and expertise, Adamas Environmental maintains a complete library of environmental publications from Canada and abroad.

Adamas Environmental has worked successfully on numerous environmental projects for various levels of government and privately owned industrial facilities. These projects have consisted of initial Phase 1 Assessments followed by final clean-up and decommissioning. Adamas Environmental Inc. has consistently provided, through the use of high technology, state-of-the-art approaches to

environmental assessments and clean-ups. Adamas' staff provide a solid background in assessment and clean-up technologies in all forms of contamination from hydrocarbon to PAH contamination. Adamas's ability to provide full environmental services has made the firm a leader in the environmental field.

## **AECL Research**

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2251 Speakman Drive

Mississauga, ON

L5K 1B2

Tel: 416/823-9040      Fax: 416/823-1290

Contact: *Dr S R. Hatcher*  
*Executive Director, Int'l Marketing*

AIR POLLUTION CONTROL

HAZARDOUS WASTE

MONITORING

SITE RECLAMATION

SOLID WASTE

WATER & WASTEWATER

*Audits/Assessments*

*Catalysts*

*Decontamination Systems*

*Geophysical Services*

*Geotechnical Studies*

*Groundwater Monitors*

*Groundwater Treatment*

*Hazardous Material Management/Services*

*Mine Waste*

*Multi-Disciplinary Services*

*Radioactive Material Disposal*

*Remediation Services*

*Research Services*

*Waste Transfer*

*Wastewater Treatment Services*

**Company/Product** Formed as a Crown corporation in 1952, AECL has two operating divisions: AECL Research and AECL CANDU. AECL is responsible for the development and assessment of a concept for the safe disposal of high-level nuclear fuel wastes and the development and demonstration of the supporting technologies. These capabilities have been developed in programs performed at the Underground Research Laboratory (URL) and its laboratories in Chalk River, Ontario and Pinawa, Manitoba. As a leading research facility in the geotechnical field, the URL has played a major role in the development of methodologies for the geological characterization of disposal sites.

AECL Research's experience covers low-level radwaste management, environmental remediation, high-level radioactive waste management, decontamination and decommissioning, radiation protection, and proprietary tritium technology. The company has expertise in the analysis, treatment, and solidification of liquid and solid waste, and is developing soil and groundwater remediation technologies. AECL Research is able to evaluate and advise on the technical and economic aspects of waste management

systems. Its involvement covers the full range of operations from generation, through characterization, packaging, transport, processing, and storage, to final disposal. Operations are supported by a significant research and development program at AECL's two large national laboratories.

**Current Activities:** AECL has offices in Buenos Aires, Argentina; Seoul, Korea; The Hague, The Netherlands; Cernavoda, Romania; and in Moscow, Russia. AECL Research has collaborated in research programs with agencies of other countries, including the U.S. Department of Energy, the Japan Atomic Energy Research Institute (JAERI), the Power Reactor and Nuclear Fuel Development Corporation (PNC), Svensk Kärnbränslehantering AB (SKB), and the Agence Nationale pour la Gestion des Déchets Radioactifs (ANDRA) in France.

**Contact Sought:** AECL offers the benefit of its experience in the form of contract R&D, consulting and engineering services, and technology for exploitation. The company offers independent third-party assessments for programs in other countries and actively seeks international partners for collaborative projects or cooperative R&D.

#### Aer-O-Flo Environmental Inc.

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1175 Appleby Line, Unit B-2  
Burlington, ON  
L7L 5H9

Tel: 416/335-8944      Fax: 416/335-8972

Contact: Mr. Thomas C. Wingfield  
Manager, International Division

#### WATER & WASTEWATER

*Aerators  
Biological Wastewater Nutrient Treatment  
Blowers  
Central Air Handling Systems  
Clarifiers  
Classifiers, Waste Material  
Comminutors  
Engineering & Construction  
Filters  
Flocculators  
Flootation Systems  
Flowmeters  
Leachate Treatment  
Liquid/Solid Separation Equipment  
Oil/Water Separators  
Package Treatment Systems  
Pilot Plants for Process Research  
Plating Waste Treatment  
Pumps  
Pumps, Sludge  
Recycling (Wood Chips, Wood Waste)  
Screening Equipment  
Sewage Shredding/Screening Equipment  
Sludge Handling/Treatment  
Toxicity (Analyzers)  
Wastewater Treatment Services*

#### Water Pollution Control

**Company/Product:** Aer-O-Flo Environmental Inc. has been serving the wastewater treatment sector since 1963. As part of the EV Environmental Group, Aer-O-Flo Environmental Inc. handles the international activities for both itself and its business affiliates in California and Kentucky. The group encompasses a broad range of innovative technologies and process engineering experience. The group is committed to the creation of quality solutions to wastewater treatment challenges.

The Aer-O-Flo/EV Environmental technologies have been combined in a variety of ways to successfully treat municipal wastewater as well as industrial effluent from food processing plants to breweries to metal plating plants. Aer-O-Flo Environmental Inc. systems are designed to maximize treatment efficiency while minimizing energy consumption, maintenance time, and sludge production. The IDS Drumshear, the Aer-O-Float, and the Sludge Cannon are excellent examples of this design attitude.

**Current Activities:** Aer-O-Flo Environmental Inc. has pilot studies in progress throughout Canada, the United States, Mexico, and Korea. The firm has more than 30 full-scale systems in operation in Latin America, the Caribbean, Africa, and the Middle East. New representation has been established in Spain, Hungary, the Philippines, Taiwan, Hong Kong, and Latin America.

**Contact Sought:** Aer-O-Flo seeks to make and develop contacts with senior pollution control decision-makers in the public and private sectors. The firm is always ready to cultivate mutually beneficial relationships with aggressive/progressive local representatives, marketers, and licensees.

#### Aggo Recovery Inc.

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34 Leading Rd  
Rexdale, ON  
M9V 3S9

Tel: 416/740-0188      Fax: 416/740-1453

Contact: Mr. Lou Bodnar  
V.P., Business Development

**HAZARDOUS WASTE  
RECYCLING  
SITE RECLAMATION  
SOLID WASTE**

*Remediation Services*

**Company/Product:** Aggo Recovery was established in February 1989. Aggo's business is to commercialize and license its innovative patented technologies for recycling industrial waste. Having emerged from three years of applied research and development, Aggo Recovery has gained a considerable reputation in designing, building, and operating recycling technologies for industrial waste. The key step in achieving this goal was commercialization of the

"AFB" system and extensive demonstration program on the first "ATC" pilot plant.

Aggro Recovery has three different but interrelated technologies for recycling industrial waste. The processes can be linked together in an integrated train. This treatment train is capable of handling a wide variety of industrial wastes:

- the "AFB" Process for the recycling of hazardous organic waste which eliminates flammability and leachability while generating solvents and reusable/recyclable spent catalyst;
- the "ATC" Process, which is operated in two modes: A low temperature mode which separates hydrocarbons and mercury from the waste stream and recycles them as a reusable by-product; and a high temperature mode which produces a light-weight aggregate KEYLITE™ from inorganic residue; and,
- the Sub-Cooling Air Control Process is used to remove organic and inorganic contaminates from process gas.

**Current Activities:** The first licensee of the "AFB" process was Aggro/Chem King Venture in Barrie, Ontario which has been operating this recycling technology for two years. In early 1991, Aggro Recovery successfully executed a mercury remediation R & D project contract for the Osterland Group of Cleveland, Ohio.

**Contact Sought:** Aggro Recovery is interested in identifying waste management companies which can utilize Aggro's recycling technologies to expand recycling services as well as companies which or to recycle generated waste streams on site.

#### **Agrodev Canada Inc.**

600 - 222 Somerset St. West  
Ottawa, ON  
K2P 2G3

Tel: 613/234-1781      Fax: 613/563-9621

Contact: *Mr. Kenneth C. Lucas*  
*President*

**RESOURCE MANAGEMENT**  
**SITE RECLAMATION**

*Analytical Services*  
*Audits/Assessments*  
*Composting Technology*  
*Consulting Services (Engineering & Management)*  
*Geographic Information Systems Software*  
*Infrastructure Design*  
*Multi-Disciplinary Services*  
*Natural Resource Management*  
*Policy Development*  
*Project Management Services*  
*Public Consulting*  
*Site Clean-up Management*  
*Site Inspection*

#### **Training Programs/Films/Books**

**Company/Product** Established in 1976, Agrodev Canada Inc. is part of the Stanley Technology Group Inc., an outstanding Canadian-owned professional group of various engineering, technological, and scientific companies founded in problem solving, project management, and internal operations.

Agrodev Canada Inc. provides professional consulting services in agriculture; aquaculture, fisheries; environmental planning, assessment, and protection; gender issues (women in development); human resource development and training; and project management, identification, and evaluation. Agrodev offers its international and domestic clients specialized consulting and management services, from project identification, design, and feasibility studies to the implementation and follow-up monitoring and evaluation of projects as well as the management of turnkey operations.

One of Agrodev's special capabilities is to assist national or state/provincial governments in the development or review of policies governing sustainable natural resource management. Agrodev strengthens staff planning capabilities to formulate strategies and programmes to deal with issues and problems in this domain. As a follow-up to these activities, Agrodev can provide assistance in institutional strengthening and capacity building through the development of appropriate training programmes, the transfer of appropriate technologies to deal with specific problems, and the training of local staff in the application and adaptation of these technologies. Agrodev to date has had responsibility for managing very large multi-year projects valued up to \$5 million, but has also taken on many small assignments requiring perhaps only one specialist for a short period of time. Agrodev has in-house Geographic Information System (GIS) capability, which is regularly employed in assignments where this planning tool has a useful application.

**Current Activities:** Agrodev targets over 95% of its capabilities at assisting clients in developing countries in Asia, Africa, Latin America, and Eastern Europe. Agrodev, along with its sister company SRD Sustainable Resource Development (see separate listing) has offices throughout Canada as well as overseas in Bangladesh, Indonesia, Malaysia, Pakistan, Papua New Guinea, Philippines, Thailand, Bolivia, Chile, Nigeria, and Jordan.

**Contact Sought:** Agrodev is interested in expanding its contacts with private companies in overseas countries, leading to the establishment of local alliances and associations for joint marketing and delivering of services in Agrodev's fields and complementary fields. Expansion in these areas in conjunction with governmental and international institutions would also be welcome.

## **Albarrie Canada Ltd.**

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85 Morrow Rd  
Barrie, ON  
L4N 3V7

Tel 705/737-0551      Fax 705/737-4044

Contact *Dr Abraham Turkson*  
*Director of Development*

AIR POLLUTION CONTROL  
SOLID WASTE  
WATER & WASTEWATER

*Aerators*  
*Air Filters, Bags, Boosters*  
*Air Pollution Control*  
*Clothing, Protective*  
*Fabric Filters*  
*Filter Systems*  
*Filters*  
*Geotextiles*  
*Spill Containment*

**Company/Product:** Albarrie is a fully Canadian owned company with a history dating back to the 17th century. Albarrie manufactures and markets a complete selection of woven and needle-punched fabrics for air and water pollution control. Albarrie manufactures geotextiles for many difficult civil engineering problems.

The firm's continual research and development programs have enabled it to develop unique patented products. Its filtration fabrics include woven and non-woven polyester, polypropylene, acrylic, nomex, ryton, fibreglass, teflon, 100% P84. A new generation of fabrics known as Albarrie composites has been developed. These fabrics have the capability to rectify dust collector problems such as high emission, low service life, high pressure drop, and low air flow rate.

Albarrie's range of engineered fabrics employ the particular and special technological advantage of needle fabrics. These fabrics are being produced for sporting goods, fire-resistant jackets, bullet-proof vests for police, and gloves for construction workers.

Bentofix is now being manufactured by a joint venture between National Seal of the United States, Naue-Fasertechnik of Germany and Terrafix of Canada. Bentofix is used to provide a positive barrier to liquids and gases for a variety of applications. This joint venture has brought Albarrie to the forefront of the geosynthetic manufacturing industry.

**Current Activities:** Albarrie concentrates all of its efforts world-wide to search out and meet the new and sometimes unforeseen needs of the industrial marketplace, both on its own, and in co-operation with companies all over the world. Albarrie has subsidiaries/partners in the United States, Japan, Taiwan, South Korea, Mexico, Ecuador, Colombia, Brazil, Venezuela, Bolivia, Argentina, France, United Kingdom and Germany.

**Contact Sought:** Albarrie would like to identify potential partners/agents/converters to market its products in Benelux, Spain, Portugal, Italy, Russia, Ukraine and Poland.

## **AlphaNUCLEAR Company**

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1125 Derry Rd E  
Mississauga, ON  
L5T 1P3

Tel 416/564-1383      Fax 416/564-1584

Contact *Mr G M Denham*  
*Manager*

AIR POLLUTION CONTROL  
MONITORING

*Geophysical Equipment*  
*Monitors (Air, Gases)*  
*Radon Gas/Progeny Detection and Monitoring*  
*Samplers*

**Company/Product:** The AlphaNUCLEAR Company was founded in 1975, specifically to develop Radon measurement technologies for uranium exploration, but its mandate has since expanded to cover almost all major Radon and Thoron monitoring applications.

Sophisticated monitoring instrumentation originally designed, developed, and produced primarily for Radon and Thoron radioactive gases, is also used for geochemical, exploration, health physics, and environmental monitoring applications.

**Current Activities:** Through local agents, such systems are marketed internationally, mainly to federal, state, and provincial government laboratories, as well as environmental science laboratories and private customers, in the areas of mineral exploration, earthquake prediction, personal and work site area monitoring, and for radon hazards in homes.

## **Amkrete Inc.**

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106 - 2349 Fairview St  
Burlington, ON  
L7R 2E3

Tel 416/333-0399      Fax 416/333-0150

Contact *Mr A C Giggins*  
*President*

WATER & WASTEWATER

*Rehabilitation of Wastewater Pipes*

**Company/Product:** Amkrete Inc. is a private corporation that was established in 1989 to acquire the licensing rights and the Canadian and US patents to a pipe repair process. The company's authority has now been expanded to Mexico, Central and South America and all islands off the American Continent. Amkrete (US) Inc. was established in 1991 as a wholly owned subsidiary of Amkrete Inc.

Amkrete is a trenchless, structural, point repair process for sanitary, sewage, and storm water pipes which range from 6" to 30" in diameter. The process has been proven over 12 years and is guaranteed for 10 years. This patented design injection process may be used on pipes of any construction, age, or depth. The repair is permanent and will not dislodge during subsequent jetting or scouring and yet remains flexible enough to allow movement, without cracking, in unstable ground conditions.

**Current Activities** Amkrete Inc. now has licensees in Canada and the United States. Additional licensees are being sought in these countries and in Mexico and Central and South America. The company regularly exhibits at appropriate shows throughout the United States.

**Contact Sought** Amkrete would like to develop licensees in the United States through contact with senior individuals/owners of sewer service contracting companies in the private sector and with senior officials in public utilities responsible for the rehabilitation of existing waste water pipe systems. In Mexico and Central and South America the company would have an interest in developing joint venture opportunities with engineering firms or sewer service contracting companies.

#### Anachemia Solvents Ltd. \_\_\_\_\_

3549 Mavis Rd  
Mississauga, ON  
L5C 1T7

Tel: 416/279-5122      Fax 416/279-4130

Contact *Mr Russ Poppe*  
*Sales Manager*

HAZARDOUS WASTE  
RECYCLING  
RESOURCE MANAGEMENT

*Disposal Services*  
*Distillation*  
*Recycling*

**Company/Product** Anachemia Solvents Limited is one of Canada's largest solvent recycling facilities. Strategically located in Mississauga, Ontario the company has been in business since 1955. Solvents handled include hydrocarbons, chlorinated hydrocarbons, chloro-fluoro carbons, ketones, esters, alcohols and specialty solvents.

A well equipped lab is able to analyze products and raw materials as well as develop new or modified applications.

**Current Activities** From it's Mississauga headquarters, the company deals with firms on the North Eastern Seaboard.

**Contact Sought** Priorities are to increase market penetration throughout the Midwest and Northeastern States with large volume waste solvent generators.

#### Angus Environmental Ltd. \_\_\_\_\_

1127 Leslie St  
Don Mills, ON  
M3C 2J6

Tel 416/443-8360      Fax 416/443-8380

Contact: *Mr David Hopper*

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
MONITORING  
RECYCLING  
RESOURCE MANAGEMENT  
SITE RECLAMATION  
SOLID WASTE

*Air Pollution Control*  
*Air Quality Systems*  
*Audits/Assessments*  
*Consulting Services (Energy Planning & Engineering)*  
*Engineering & Construction*  
*Independent Inspection*  
*Inspection (Soil)*  
*Project Management Services*  
*Public Consulting*  
*Recycling*  
*Remediation Services*  
*Site Clean-up Management*  
*Site Inspection*  
*Vehicles (Recycling)*

**Company/Product** Established in 1990, Angus Environmental Limited is an employee-owned environmental consulting engineering firm. The firm has tripled in size over the last three years and has permanent offices in Toronto, Ontario and Halifax, Nova Scotia. A project office has been established in Castries, St. Lucia, WI. Angus Environmental is committed to excellence and innovation in environmental engineering services, site assessment and remediation, environmental audits and inspections, waste management system design and implementation, air quality and odour impact analysis, pathways analysis, and risk assessment.

Angus Environmental is a specialty engineering and environmental consulting firm and is effective at providing niche services to project teams or assembling and leading project teams. Angus Environmental is recognized as a world leader in the development of site remediation guidelines, the development of site remediation strategies, and the preparation of multimedia pathways analyses and risk assessments. In addition, the firm is a world leader in developing waste management strategies and in designing and implementing waste management systems. A hallmark of the company's work are innovative, integrated, and implementable solutions which are sensitive to local cultural, social, economic, and political constraints and opportunities.

**Current Activities** As a lead member of the Canadian Marine Waste Management Collaborative, Angus Environmental has pursued waste management

opportunities through the IMO in London, England and through the World Bank. These activities have focused on marketing waste management activities for the Marine and Maritime areas of the World. AEL has also worked on projects in Australia and in the United States.

**Contact Sought** Angus Environmental would like to develop contacts with other engineering and environmental consulting firms to pursue joint projects where its expertise would compliment the team. The firm is also committed to transferring technology and skills to local partners. An example of this approach is the Canadian Marine Waste Management Collaborative, which undertakes market development and proposal preparation activities on behalf of a group of Canadian firms with interests in this area. Angus Environmental is particularly interested in pursuing waste management opportunities anywhere in the world and pursuing site assessment and remediation activities in Eastern Europe, the C.I.S., and in the developing world.

#### Aquarobic Ltd. ---

12 Laurier Rd  
P O Box 704  
Penetanguishene, ON  
L0K 1P0  
Tel 705/549-7401      Fax 705/549-2441

Contact *Mr Dunc McLaren*  
*Technical Sales Manager*

#### WATER & WASTEWATER

##### *Water and Wastewater Treatment Services*

**Company/Product** Originally, Aquarobic's manufacturing program included only small wastewater treatment units in the 500 to 1,500 gallon per day (GPD) range. In 1975 the manufacturing rights to the original Swedish FLYGT "MINI" Plant were purchased. Today Aquarobic manufactures both a MINI and MAXI series in standard modules with capacities ranging from 500 to 100,000 GPD. Larger units can be custom designed to owner's specifications.

Aquarobic modular wastewater treatment plants are designed as a "building block" system. A treatment tank, sized to meet the daily hydraulic demand proportional to the plant size, is the basic module. Separate filtering, disinfecting, and sludge handling modules are added as needed. For industrial, institutional, and restaurant applications established design guidelines are generally followed.

Any of the plants may be buried such that only the access hatches and electrical control panels are visible in order to maintain the aesthetic appearance of the site.

Basic design parameters for Aquarobic treatment plants are the following:

- 100 gallons per person per day or 400 gallons per residence (when using standard flush toilets);
- 2000 cubic feet of air per pound of BOD5 and an estimated 0.17lbs. of BOD5 per person per day; and,
- three hours of uninterrupted settling prior to discharge.

In situations involving heavy seasonal use, such as vacation resort hotels, the above gallon figures may increase by as much as 100% if water saving devices are not used.

The plants are odourless and virtually noiseless, and problems of foaming, freezing, and unsightly algae growth are nonexistent as the entire plant is normally buried below grade or covered. Interference by climatical conditions and sunlight intensity has therefore been eliminated. Plant maintenance is minimal, requiring only an occasional inspection through the manway of the aeration system and floatswitches, and of the electrical control panel.

The by-products of the process are water, CO<sub>2</sub>, and a residue of inert materials such as coffee grounds, kitchen grindings, etc. Since these materials will accumulate over a period of time, removal by a septic tank hauler once every 2-3 years, depending on usage, will be needed. In the "S" series and larger custom designs, special sludge handling facilities are required.

#### Arcturus Environmental Ltd. ---

7900 Canadian Dr  
Niagara Falls, ON  
L2E 6S5  
Tel 416/357-6424      Fax 416/357-6447

Contact *Mr Allen Parker*  
*Manager, Corporate Marketing*

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
MONITORING  
OIL SPILL  
RECYCLING  
RESOURCE MANAGEMENT  
SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

*Absorbers*  
*Activated Carbon Treatment Systems*  
*Analytical Services*  
*Audits/Assessments*  
*Chemical Analysis Services*  
*Clean-up Services*  
*Computer Management Systems/Software*  
*Emergency Response Services*  
*Engineering & Construction*  
*Geotechnical Studies*  
*Groundwater Exploration & Development*  
*Groundwater Monitors*  
*Groundwater Treatment*  
*Hazardous Material Management/Services*

*Hydrogeological Surveys  
Inspection (Materials, Soil)  
Project Management Services  
Radioactive Material Disposal  
Remediation Services  
Site Clean-up Management  
Site Inspection  
Soil Treatment/Reclamation  
Spill Monitors*

**Company/Product.** The Arcturus Group of Companies employs dedicated professionals who offer specialized knowledge and expertise in a broad range of environmental services for private individuals, financial institutions, industries, municipal, provincial and federal governments. Arcturus' staff of over 70 has demonstrated a high level of competence and performance in completing hundreds of environmental projects per year, including: multi-million dollar environmental cleanups; comprehensive environmental site assessments; underground storage tank investigations; spill response, cleanups, and monitoring; complete occupational health and safety, Workplace Hazardous Materials Information System (WHMIS) and Transportation of Dangerous Goods (TDG) consulting services; waste audits and sampling; and analysis of effluent, groundwater, leachate soil, sediment, sludge, solid and liquid waste, and air.

**Current Activities:** Arcturus has its head office in Niagara Falls, Ontario and permanent branch offices in Toronto and Ottawa, Ontario and Amherst, New York.

**Contact Sought** Arcturus would like to contact senior individuals in the public or private sector responsible for assessment and restoration of contaminated or environmentally impaired soil and groundwater.

#### **Arjay Engineering Ltd.**

2495 Haines Rd.  
Mississauga, ON  
L4Y 1Y7

Tel: 416/276-2208      Fax: 416/277-2588

Contact: *Mr. Greg Reeves*  
*General Manager*

**MONITORING**  
**OIL SPILL**  
**WATER & WASTEWATER**

*Alarms  
Detectors  
Flowmeters  
Gas/Liquid/Solid Separation Equipment  
Instrumentation Systems  
Leak Detectors/Prevention  
Level Monitors  
Monitors (Liquids)  
Oil/Water Separators  
Sensors  
Separators  
Spill Monitors*

#### **Suspended Solids Monitors**

**Company/Product.** Arjay Engineering Ltd. began manufacturing under the Arjay name in 1983. Prior experience in the marketing of process and environmental controls gave the company it's strong base to begin designing and manufacturing. Arjay Engineering specializes in products specific to fluid and gas sensing in the environmental field. Arjay continues to grow through its product development and innovative application approaches.

Instrumentation designed and manufactured by Arjay includes a complete line of level and flow controls using RF Capacitance technology. Suspended solids monitoring equipment is labelled under an affiliate company, Claritek Instruments Inc. Combustible and toxic gases are monitored using a variety of sensor technologies, the choice of which is dependent upon the application. All of the above equipment is based on the Arjay micro-controller board for flexible sensing design.

**Current Activities.** Arjay Engineering Ltd. presently markets it's products throughout Canada and the USA. Project specific exports include China, Malaysia, and the UAE. Through OEM accounts with major exporters, Arjay products can be found throughout the world. Potential client industries are highly varied and Arjay's interests for export markets are not limited.

**Contact Sought** Arjay would like to associate itself with established representative outfits in both industrial and municipal accounts. Application engineering within this potential sales agency lends itself well to the flexible design capabilities of Arjay.

#### **Arlat Inc.**

44 Westwyn Crt  
Bramalea, ON  
L6T 4T5

Tel 416/457-1700      Fax. 416/457-1730

Contact: *Mr. Edward Pilovnik*  
*Sales Manager*

#### **WATER & WASTEWATER**

*Aerators  
Clarifiers  
Classifiers, Waste Material  
Conveyors  
Screening Equipment  
Separators  
Sewage Shredding/Screening Equipment  
Sludge Handling/Treatment  
Wastewater Treatment Services  
Water Pollution Control*

**Company/Product:** Arlat Technology Inc., established in 1982, specializes in the design and manufacture of process engineered equipment for the water and wastewater industries. The firm services both municipalities and

industrial customers. Arlat's products include the following equipment:

- bar screens — climber type mechanically front cleaned;
- travelling screens — bar and travelling screen units in mild steel or stainless construction designed for coarse, medium or finescreening removal;
- screw conveyors — spiral screw conveyors in a shaftless design for transport of screenings and thickened sludge;
- screw press — spiral dewatering press designed as an inexpensive method for dewatering screenings;
- grit classifier — shaftless spiral screw design used for grit separation and dewatering; and,
- sludge collectors — chain and flight sludge collector mechanisms suitable for rectangular tanks with components available unnon-metallic, cast steel and stainless steel construction.

**Current Activities** The products are sold in Canada and internationally through a network of agents and distributors.

#### **Armstrong Monitoring Corp. (The)**

215 Colonnade Rd South  
Nepean, ON  
K2E 7K3

Tel 613/225-9531      Fax 613/225-6965

Contact *Mr Yves Grandmaitre*  
*Sales and Marketing*

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
MONITORING  
NOISE POLLUTION CONTROL  
OIL SPILL  
RECYCLING  
RESOURCE MANAGEMENT  
SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

*Air Quality Systems  
Analyzers (Gases)  
Detectors  
Detectors (Gas)  
Leak Detectors/Prevention  
Monitors (Gases)  
Remote Sensing  
Sensors*

**Company/Product** The Armstrong Monitoring Corporation (AMC) was formed in 1981 through the vision of a small group of people who now comprise the core of senior management. The ability to remain flexible, knowledgeable, and responsible to the needs of the marketplace has allowed Armstrong to gain a reputation as

a quality manufacturer of simple to use, install, and maintain gas detection equipment. This reputation has lead Armstrong to supply equipment for a wide assortment of customers including Shell, Esso, Mobil Coal, IBM, Weyerhaeuser Pulp and Paper, and Atomic Energy of Canada.

The AMC line includes sensing equipment encompassing a wide spectrum of gas detection applications. From carbon monoxide monitoring in vehicle garages to hydrogen sulphide monitoring in pulp mills, to combustible monitoring in petrochemical facilities, state-of-the-art technology is utilized to obtain optimum performance.

Catalytic pellistor technology is used in monitoring of combustible gases. Reliable zero stability and linear response over a wide temperature range, make the AMC-360 Series of sensor/transmitters one of the most dependable options when dealing with methane, propane, hydrogen, and other combustibles. For applications in petrochemical facilities, sewage treatment plants, pulp and paper mills, and other demanding facilities, AMC's catalytic sensing units deliver performance second to none.

When monitoring for toxic gases, AMC's electrochemical sensors provide the accuracy and specificity required to monitor in the low parts per million range. A highly specific solid state hydrogen sulphide sensor has also been developed by Armstrong to deliver top of the line performance combined with an unequalled ten year life span.

Experience and expertise, combined with responsiveness to an ever changing marketplace, have allowed The Armstrong Monitoring Corporation to develop a highly recognized and respected reputation on the leading edge of the hazardous gas detection industry.

**Current Activities** Armstrong Monitoring's reputation has grown beyond the North American borders to meet the needs of customers in Australia, South America, and the Pacific Rim.

#### **Armtec**

15 Campbell Rd  
P O Box 3000  
Guelph, ON  
N1H 6P2

Tel 519/822-0210      Fax 519/822-1160

Contact *Mr Donald B Smith*  
*Vice President & General Manager*

HAZARDOUS WASTE  
SOLID WASTE  
WATER & WASTEWATER

*Covers, Tank & Pond  
Landfill Liners  
Tank Land-Spill Liners  
Water Encapsulation  
Water and Sewage Control Gates*

**Company/Product** Armtac is a division of Jannock Steel Fabricating Company of Toronto, which is owned by a 50/50 partnership between Jannock Limited and Stelco (Steel Company of Canada). Armtac is 100% Canadian-owned and operates sales and manufacturing facilities throughout Canada. Armtac, prior to 1985, was part of the Armco International Group, which is known throughout the world in the construction products market and the steel industry. Armco engineers have been responsible for the design and development of many products which continue to be manufactured and sold today. Many of these innovative designs were developed in Canada.

Armtac designs soil/steel bridge structures, retaining walls, water control gates, and other structures for a variety of applications. Armtac's designs are usually submitted to a government design agency or a consulting engineering company to be incorporated in an overall project. In other words, Armtac does not design an entire highway system, but does design soil/steel bridges within the system; The firm does not design a full dam, but does design water control structures for use in a damming project. Numerous innovative and creative engineering designs have incorporated Armtac's products. These projects have included highways, railways, power plants, and conveyors as well as applications in the irrigation, storm water retention, mining, and forestry markets.

**Current Activities** Armtac has worked on many CIDA-sponsored projects throughout the world. It has been involved with projects in Cameroon, Egypt, China, Venezuela, Trinidad, New Guinea, Guyana, and Guatemala.

Armtac can provide technical assistance and competitively priced products for export throughout the world.

#### **Arthur S. Leitch Company Ltd. (The)**

999 William St.  
Midland, ON  
L4M 4L7

Tel: 705/526-5496      Fax: 705/526-0020

Contact *Mr John D. Leitch, P. Eng*  
*President and General Manager*

#### **WATER & WASTEWATER**

*Activated Carbon Treatment Systems*  
*Aerial Photography/Mapping*  
*Dryers*  
*Filters*  
*Heat Exchangers/Energy Recovery*  
*Pumps*  
*Pump Parts*  
*Pumps, Sludge*  
*Separators*  
*Tanks, Treatment/Storage*  
*Water Purifiers*

**Company/Product** The Arthur S. Leitch Company Limited, established in 1920, developed a design and

manufacturing capability which today involves centrifugal pumps, shell and tube exchangers, and pressure vessels. Additional related products have also been developed, such as mechanical gas line separators, industrial water filters, aerators, water softeners, packaged pump sets, packaged boiler feed sets, etc. The company also acts as a fabrication facility for a number of foreign companies. The international acceptance of these products is resulting in a rapid expansion of the product line.

**Current Activities** The firm's products are exported to the U.S., South America, and Asia.

#### **Asea Brown Boveri (ABB) Inc.**

1400 Merivale Rd  
P O. Box 5060 Station "F"  
Ottawa, ON  
K2C 3P9

Tel: 613/226-3300      Fax 613/226-4715

Contact *Mr John Groves*  
*V P., Sales & Marketing*

#### **AIR POLLUTION CONTROL**

*Absorbers, Gases Piping*  
*Activated Carbon Treatment Systems*  
*Air Pollution Control*  
*Fabric Filters*  
*Fans*  
*Positive Seal Dampers*  
*Precipitators*  
*Scrubbers*

**Company/Product** Asea Brown Boveri (ABB) is an electrical engineering company with global operations. ABB develops, produces, sells, and services a wide range of systems and products generally related to the production, distribution, and application of electricity. ABB Air Pollution Control Division was established in Canada in 1953 and presently has offices in Ottawa, Montreal, Vancouver, and Fredericton. ABB Air Pollution Control Division is focused on providing quality products and services to fulfil customers' needs.

ABB Air Pollution Control Division is a world leader in air, energy, and environmental technology. The firm is a turnkey equipment contractor, supplying high quality products, systems, and services in specialized fields. ABB is capable of providing system design engineering, fabrication, installation, and service of air pollution control systems and products for control of particulate and gaseous emissions. The firm's products include electrostatic precipitators, fabric filters, scrubbers, flue gas desulphurization systems, flue gas denitrification systems, and ash handling systems.

**Current Activities** ABB Air Pollution Control Division has successfully delivered equipment to the USA, Mexico, Chile, Venezuela, Argentina, Indonesia, Thailand, Czechoslovakia, and Poland as well as other countries. ABB is one of the largest suppliers of air pollution control

equipment worldwide and serves the power, pulp and paper, aluminium, incineration, metallurgical, and cement industries.

**Contact Sought** ABB Air Pollution Control Division would like to develop contacts with senior individuals in the public or private sector who are responsible for air pollution control as well as those whose firms design and build air pollution control systems, and who are interested in applying new technologies.

**ASW Computer Systems Ltd.**

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2355 Royal Windsor Dr., Unit 1  
Mississauga, ON  
L5J 4S8

Tel 416/822-2252      Fax 416/822-2005

Contact *Mr Ross MacBride*  
*President*

HAZARDOUS WASTE  
WATER & WASTEWATER

*Communication Equipment*  
*Computer Management Systems/Software*  
*Data Acquisition/Processing*  
*Energy Management Systems*  
*Instrumentation Systems*  
*Modular Electronic Equipment*  
*Plating Waste Treatment*  
*Power Demand Monitors*  
*Remote Sensing*  
*SCADA Systems for Remote Monitoring & Control*  
*Supervisory Control Systems*  
*Telemetry*  
*Wastewater Treatment Services*  
*Water Pollution Control*

**Company/Product** ASW was established in 1979 with the mandate to provide industrial and governmental clients with professional services in the areas of real-time software engineering and advanced electronics design and development. In its first year of operation, ASW was awarded a contract for the complete design and development of a Supervisory Control and Data Acquisition (SCADA) Master Station which was ASW's entry into the SCADA marketplace. SCADA systems today constitute approximately 70% of ASW's business. The remaining 30% is largely comprised of projects in the telecommunications field (eg. wide and local area network sub-systems for real-time applications) and provision of consulting and professional services involving relational database development and advanced graphical user interface applications under Windows.

Since its inception, ASW has developed a range of industrial monitoring, control, SCADA, and communications products that have been standard building blocks used to engineer solutions for clients. In concert with expertise in real-time software engineering, these building blocks allow ASW to achieve a high degree of customization in its systems; this is a very significant point and it distinguishes

ASW from its competitors. In all cases, the firm's products are state-of-the-art, but designed using industry-standard components and methodologies. Thus ASW's clients benefit from advanced solutions based on sound engineering practices.

**Current Activities** As of the end of 1992, 50% of ASW's business was in the U.S.; the percentage continues to grow due to increased efforts and more effective penetration through the company's network of representatives. More recently, there has been a focus directed toward Mexican markets.

**Contact Sought** ASW would like to develop contacts with senior individuals, in the public or private sector, who make the purchasing decisions in the areas of water distribution, water and wastewater treatment, and sewage.

**Atria Engineering Hydraulics Inc.**

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301 - 8 Stavebank Rd. N  
Mississauga, ON  
L5G 2T4

Tel 416/891-0020      Fax 416/891-0071

Contact *Mr Otavio J. Sayao*  
*President*

OIL SPILL  
RESOURCE MANAGEMENT  
WATER & WASTEWATER

*Consulting Services (Engineering)*  
*Hydraulic Modelling & Research*  
*Public Works Engineering*

**Company/Product** Atria is a professional engineering company that provides expert consulting services in the fields of coastal engineering, port engineering, river engineering, environmental hydraulics, and engineering hydrology. The principals have over 35 years of combined experience in conceptual and detailed engineering, including involvement with numerous waterfront and offshore projects. Clients include private corporations, architects and planners, oil companies, and all governmental levels. Atria uses state-of-the-art technology to solve engineering problems and provide cost-effective solutions.

Atria has been involved in projects of coastal and marine structures, waterfront engineering design and construction administration, research and development related to beach processes and sediment transport, research on engineering methods and hydraulic modelling (both physical and numerical), development of new criteria and guidelines related to harbours design, environmental impact assessments, and shoreline management planning.

**Baird & Associates**

150 - 38 Antares Dr  
Ottawa, ON  
K2E 7V2

Tel. 613/225-6560      Fax 613/225-5957

Contact Mr Kevin J. MacIntosh  
*Principal*

**MONITORING**

*Audits/Assessments*  
*Consulting Services (Engineering)*  
*Engineering & Construction*  
*Hydraulic Modelling and Research*  
*Hydrographic Charting*  
*Meteorological Instrumentation*  
*Oceanographic Instruments*

**Company/Product** Incorporated in 1981, Baird & Associates offers its clients current methods in the fields of coastal erosion prevention and restoration, shoreline engineering, resort planning, port and marina design, and other assessment and development activities. The company has offices in Ottawa and Toronto, Ontario, as well as one in Madison, Wisconsin. Baird is constantly exploring innovative techniques and applications as well as developing the most efficient and cost effective solutions for each and every client. Baird's ability to clearly communicate and successfully translate complex concepts and solutions into reality has solidified its leadership role in this field.

Baird & Associates has developed many innovative and cost effective designs for coastal structures, and has been involved in the development of several world-class marina and beach restorations, harbour projects, shoreline management, and habitat restoration studies. The company undertakes in-depth analyses of coastal processes, design of coastal structure, and assessment of potential construction impacts on coastal processes using both numerical and physical models. Services of the company include: site investigations, wind, wave, and water level analyses, topographic and hydrographic surveys, site and market analyses, conceptual designs, planning and feasibility studies, final designs, bidding of documents and construction observation services. The company frequently participates in large projects as a member of a multi-disciplined team assembled for a specific project.

**Current Activities** Baird & Associates has been involved in projects throughout North America and overseas. Project locations include Oman, Japan, Iceland, Aruba, the Turks & Caicos Islands, Bahamas, the Virgin Islands, Hawaii, and Alaska. The company is presently interested in new or wider markets in the Middle East (Saudi Arabia, Quatar, Oman, etc.), throughout the Caribbean, and Central and South America.

**Contact Sought** Baird & Associates would like to develop new contacts in the above-mentioned geographic areas and focus on the government, tourism, and development

sectors. The company is well-suited to provide services to environmental, fisheries, and other government agencies involved with shoreline management. Baird & Associates is also experienced and qualified in meeting the requirements of developers whose needs may range from site assessments and permit applications to final design and construction observation services.

**Barringer Research Ltd.**

304 Carlingview Dr  
Rexdale, ON  
M9W 5G2

Tel 416/675-3870      Fax 416/675-3876

Contact Mr David Martinak  
*Marketing Manager*

**AIR POLLUTION CONTROL**

**MONITORING**  
**OIL SPILL**  
**RESOURCE MANAGEMENT**

*Detectors (Gas)*  
*Remote Sensing*  
*Research Services*  
*Spill Monitors*

**Company/Product** Barringer Research Limited (BRL), founded in 1961, is a high technology instrument manufacturer and research and development company. The company has extensive experience in the disciplines of electro-optics, electromagnetics, magnetics, and atmospheric physics.

Barringer Research Ltd. maintains a well established Research and Development department with an impressive track record in a variety of disciplines and applications. In addition to "in-house" instrument development, the R & D group also undertakes contract research for various companies as well as North American and European government agencies.

Products and services exported include IONSCAN, an explosives and narcotics detection system; Cospec, a remote sensor for SO<sub>2</sub> and NO<sub>2</sub> used in source monitoring and trans boundary flux measurements; ground-based and marine total field magnetometers; reflectance and thermal emission spectrometers and radiometers for studying the earth's surface to better interpret satellite imagery; detection and inspection for trace quantities of fixed explosives and illicit drugs; and airborne laser fluoro sensors for monitoring oil pollution in water.

The primary markets for the firm's products are security and inspection services and geological and geophysical remote sensing research organizations.

The products may be considered research tools and the end users are predominantly government research facilities, universities, environmental regulation agencies, military, and oceanographic agencies. Exceptions are the security

products IONSCAN (airport security) and BULLION Analyzer (gold trading/banking).

**Current Activities** Approximately 90% of the company's commercial product sales are export. The products are marketed through a network of over fifty sales representatives in thirty different countries. Due to the diversity of the product line, more than one agent is often required in each country. Some international sales are conducted on a direct basis. Given the nature of the products and the characteristics of purchaser, many sales are dependent on government funding and foreign aid (CIDA, IMF, UNDP, etc.).

**Contact Sought** Barringer seeks to develop contacts with senior members of the public or private sector involved with environmental regulation, oceanography, atmospheric monitoring, and drug/explosives detection.

#### **Beak Consultants Ltd.**

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14 Abacus Rd  
Brampton, ON  
L6T 5B7

Tel 416/794-2325      Fax 416/794-2338

Contact *Dr Wilson Eedy*  
*Associate*

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
MONITORING  
OIL SPILL  
RECYCLING  
RESOURCE MANAGEMENT  
SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

*Acid Mine Drainage Services*

*Air Pollution Control*

*Analytical Services*

*Asbestos Control/Abatement*

*Audits/Assessments*

*Biological Wastewater Nutrient Treatment*

*Chemical Analysis Services*

*Clean-up Services*

*Computer Management Systems/Software*

*Consulting Services (Acid Rock Drainage, Energy*

*Planning, Engineering, Forestry Management, Pulp & Paper)*

*Effluent Bio-Assays*

*Engineering & Construction*

*Geographic Information Systems Software*

*Groundwater Monitors*

*Hazardous Material Management/Services*

*Hydrogeological Surveys*

*Information Management Systems*

*Inspection (Soil)*

*Laboratories, Testing/Mobile & Fixed*

*Leachate Treatment*

*Mine Waste*

*Multi-Disciplinary Services*

*Pollution Abatement Services*

*Public Consulting*

*Pulp & Paper Engineering/Technology*

*Remediation Services*

*Site Inspection*

*Sludge Handling/Treatment*

*Test Kits*

*Testing of Toxic Substances/Aquatic Setting*

*Toxicity (Analysis, Analyzers)*

*Wastewater Treatment Services*

*Water Pollution Control*

*Workboats*

*Workshop Facilitation*

**Company/Product** Beak Consultants Limited is an employee-owned environmental consulting firm which has provided specialized professional services to government and industry for over 30 years. Beak has pioneered the multidisciplinary approach to environmental assessment, planning, and management. Interplan Consultants Limited is a wholly owned affiliate which complements Beak with expertise in socio-economic assessments, public consultation, and environmental planning services. Aquafor Engineering Limited and Geomatics International Inc. are both partially-owned affiliates which provide expertise in urban engineering, forest management, and geographic information systems applications. All four are located within Beak's Brampton offices and combine with Beak to provide the most appropriate professional expertise for each individual development planning process.

The Beak team provides specialists in environmental engineering, system engineering, environmental planning, soils and geology, hydrogeology, laboratory analysis, aquatic and terrestrial ecology, socio-economic analyses, public and stakeholder consultation, and environmental assessment studies.

#### **Bechtel Canada Inc.**

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200 - 10 Gateway Blvd.

Don Mills, ON

M3C 3N8

Tel 416/467-3100      Fax 416/467-8626

Contact *Mr Paul Complin*  
*President*

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
MONITORING  
RECYCLING  
SOLID WASTE  
RESOURCE MANAGEMENT  
SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

*Air Pollution Control*

*Audits/Assessments*

*Clean-up Services*

*Computer Management Systems/Software*

*Consulting Services (Acid Rock Drainage, Energy*

*Planning, Engineering, Geological & Petroleum,*

*Management, Pulp & Paper)*

*Decontamination Systems  
Energy Management Systems  
Engineering & Construction  
Geophysical Services  
Geotechnical Studies  
Hazardous Material Management/Services  
Independent Inspection  
Information Management Systems  
Infrastructure Design  
Inspection (Materials, Soil)  
Mine Waste  
Multi-Disciplinary Services  
Natural Resource Management  
Pollution Abatement Services  
Project Management Services  
Public Consulting  
Public Works Engineering  
Pulp & Paper Engineering/Technology  
Radioactive Material Disposal  
Remediation Services  
Research Services  
Site Clean-up Management  
Soil Treatment/Reclamation  
Solid Waste Treatment Services  
Training Programs/Films/Books  
Waste Glass  
Wastewater Treatment Services  
Water Pollution Control  
Water/Waterflood Injection & Treatment Plants*

**Company/Product** Bechtel Canada has been an integral player in some of the most ambitious engineering and construction projects undertaken anywhere in the world, including James Bay hydroelectric developments, tar sands oil recovery, and a high arctic milling facility. In addition, the company has a reputation for undertaking small effective projects without sacrificing quality. Bechtel's activities encompass the mining and metals industries, thermal power projects, and petrochemical, chemical, industrial, and consumer product plants. Bechtel's offices in Toronto, Montreal, and Calgary are structured to provide engineering, procurement, construction, and management services and the firm currently has more than 400 technical and support employees on staff.

Bechtel provides a complete range of environmental and waste management services including environmental assessment, waste cleanup, pollution control, waste minimization, and regulatory compliance. In addition, Bechtel offers specialized engineering, construction, and project management under one roof. This provides a single point of responsibility for work performed, and maintains the continuity that is so important on environmental projects. Bechtel has top environmental managers, backed by more than 1,800 environmental specialists, and a worldwide reputation for services, support, and dependability.

**Current Activities** Bechtel maintains permanent offices in Bangkok, Beijing, Cairo, Hong Kong, Jakarta, London, Madrid, Manila, Melbourne, Paris, Rio de Janeiro, Riyadh, Santiago, Singapore, Taipei, and Tokyo in addition to its

numerous project offices established to support specific overseas assignments.

**Contact Sought** Bechtel is interested in expanding contacts in the private and public sectors. The firm would welcome joint-venture opportunities to develop, manage, engineer, build, and operate installations on a worldwide basis.

#### **Biobrn Division**

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7729, Eighth Line South  
Hornby, ON  
L0P 1E0

Tel 416/876-0975      Fax 416/876-1854

Contact *Mr Cliff Kerr*  
*Manager*

#### SOLID WASTE

*Boilers  
Burners  
Incinerators (Waste)*

**Company/Product** Biobrn has been associated with combustion since the 1950's era and has designed boilers and burners for the incineration of several products and wastes.

The company offers complete packaged incineration plants in smaller volume range (to 100 T/day) with fixed bed or rotary kilns.

Products packages produced since 1985 have primarily been in the biomedical waste handling sector, including animal crematoriums. Present interest covers biomedical waste handling from generator (e.g. hospitals) through to final disposal with expertise on design to cope with newer environmental regulations. Negotiations are on-going to have partners in this "own and operate" type of facility.

#### **Boojum Research Ltd.**

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468 Queen St E , Suite 400  
Box 19  
Toronto, ON  
M5A 1T7

Tel 416/861-1086      Fax 416/861-0634

Contact *Ms Margarete Kalin*  
*President & Research Director*

#### SITE RECLAMATION WATER & WASTEWATER

*Acid Mine Drainage Services  
Consulting Services (Acid Rock Drainage)  
Mine Waste  
Pollution Abatement Services  
Research Services  
Sludge Handling/Treatment  
Wastewater Treatment Services  
Water Pollution Control*

**Company/Product** Boojum Research Limited is a Canadian company incorporated in 1982 which has pioneered the application of biological solutions to environmental problems. The company's mission is to develop innovative, durable, and low cost environmental management solutions, based on ecological engineering and biological polishing. These strategies can be effectively applied to aid mining firms, among others, to comply with the most stringent environmental regulations.

Ecological engineering and biological polishing methods are inexpensive, natural solutions to decommissioning waste management areas in the mining industry. The technology uses indigenous ecosystems, such that aquatic, emergent plant, and microbial communities are assisted by engineering measures in improving water quality. These methods are an ideal solution to decommissioning due to their long-term stability and low capital and maintenance costs.

Boojum operates with a core of trained professionals providing the required experience in geology, microbiology, geo-chemistry, hydrology, engineering, mining, and metallurgy.

Ecological engineering methods are used to retain contaminants within the waste management area of inactive mining operations. Wetlands are created which provide natural cleansing processes in polishing ponds. Sediments are installed in wastewater ponds such that sulphate reduction and alkalinity generation will ameliorate mine drainage.

Boojum Research Limited currently has several on-site, full scale projects for coal acid mine drainage, for alkaline uranium mine effluents, and for circumneutral effluents of a polymetallic inactive zinc mine. Ecological engineering is in its final stages of implementation at the copper/zinc mine as a decommissioning technology for acid-generating copper/zinc mine wastes in northwestern Ontario.

**Contact Sought** Boojum Research would like to develop contacts with senior individuals of both the public and private sectors, who are responsible for planning mining developments and environmental management of mining operations.

#### **Boundary Layer Wind Tunnel Laboratory**

The University of Western Ontario  
Faculty of Engineering Science  
London, ON  
N6A 5B9

Tel 519/661-3338      Fax 519/661-3339

Contact *Mr. G.A. Hayman*

AIR POLLUTION CONTROL  
MONITORING  
RESOURCE MANAGEMENT

*Air Pollution Control*

*Analytical Services  
Inspection (Soil)  
Wind-Related Studies*

**Company/Product** The Boundary Layer Wind Tunnel Laboratory is an organization of professionals applying their expertise and facilities to a broad range of opportunities and problems involving wind, air pollution, and the environment. Studies for industry are performed on a contract basis by a full-time, professional staff supervised by research directors who have a combined experience of over 105 years in the field.

The laboratory can help solve a range of environmental problems including the dispersion of pollutants, drifting and loading of ice and snow, the creation of stability from stockpiles and tailing inventories, design and siting of sports facilities, and evaluating wind conditions on city streets. Other areas of expertise include wind climate modelling, transportation facility siting and design, studies of soil erosion and the drift of sprays, wind energy, wind effects on structures, and monitoring the movement of full-scale structures.

**Current Activities** The laboratory has served engineers, architects, and designers throughout North and South America, Europe, Asia, and Australia.

#### **Broer Services Ltd.**

702 Talbot St W  
Aylmer, ON  
N5H 2V1

Tel 519/773-9261      Fax 519/773-2150

Contact *Mr. Dirk Broer*  
*President*

RECYCLING  
SOLID WASTE

*Clarifiers, Waste Material  
Composting Plants  
Conveyors  
Crushers  
Electric Motor Drive Systems  
Flootation Systems  
Handling Equipment  
Recycling (Wood Chips, Wood Waste)  
Screening Equipment  
Separators  
Sewage Shredding/Screening Equipment  
Shredders/Crushers  
Solid Waste Treatment Services  
Waste Glass  
Waste Transfer*

**Company/Product** Incorporated in 1971, Broer Services Ltd. has concentrated on manufacturing custom designed products since 1975. Broer designs and builds complete recycling systems for tires, plastic, wood, concrete, asphalt, and construction and municipal waste. These systems drastically reduce the need for landfill sites. Broer

equipment is designed for long life with minimal operating cost at maximum production and efficiency levels. Broer has full design capability, including layout drawings, production capacities, and cost analysis, and supplies installation and start up services for its products.

**Current Activities:** Broer products are marketed world-wide through agents and in-house sales people. Several large process systems have been exported into Mexico and the U.S.. Currently, Broer is investigating a request for agricultural and mining equipment in China.

#### Buckham Transport Ltd.

Lot 1 Conc. 3 South Monaghan  
P.O. Box 601  
Peterborough, ON  
K9J 6Z8

Tel: 705/939-6311      Fax: 705/939-6763

Contact: *Ms. Moira Kelly*  
*Manager, Environmental Services*

HAZARDOUS WASTE  
OIL SPILL  
RECYCLING  
SITE RECLAMATION  
SOLID WASTE

*Audits/Assessments*  
*Consulting Services (Management)*  
*Emergency Response Services*  
*Handling Equipment*  
*Hazardous Material Management/Services*  
*Project Management Services*  
*Sludge Handling/Treatment*  
*Solid Waste Treatment Services*  
*Transportation*  
*Transportation (Hazardous Waste Disposal)*  
*Waste Transfer*

**Company/Product:** Buckham provides waste management services and transportation of a wide range of industrial and commercial wastes and byproducts - liquid and solid, hazardous and non-hazardous in nature - for customers throughout North America.

BEST division of Buckham provides on-site services including waste assessments, material evaluations, detailed analysis, identification of new reuse and recycling opportunities, and waste handling and reduction.

Buckham's own fleet of specialized vehicles is capable of taking care of any transportation service needed. Buckham applies safety and compliance standards to every aspect of its operation.

Buckham operates from two locations: a full service yard in Toronto and a Transfer/Processing site in Peterborough.

#### CadhamHayes Systems Inc.

333 Cumberland St., Suite 100  
Ottawa, ON  
K1N 7J3

Tel: 613/789-8649      Fax: 613/789-5207

Contact: *Mr. John S Cadham*  
*President*

#### MONITORING WATER & WASTEWATER

*Computer Management Systems/Software*  
*Consulting Services (Management)*  
*Data Acquisition/Processing*  
*Energy Management Systems*  
*Information Management Systems*  
*Remote Sensing*  
*Supervisory Control Systems*  
*Telemetry*

**Company/Product:** Established in 1978, CadhamHayes Systems Inc. is a professional practice in information systems consulting and software development. The firm specializes in the development of custom software and information systems for the public and private sector. The corporate business plan is concentrated on the practical application of leading edge technologies to meet clients' requirements. The firm's expertise as custom application developers is enhanced by its experience and understanding of the informatics requirements of large organizations. CadhamHayes has the ability to make technology and its solutions understandable and meaningful to non-technical managers and end-users.

CadhamHayes Systems Inc. is currently working with Environment Canada on the design and development of new computing technology for processing hydrometric data. Known as CompuMod, the new system will capture, display, manipulate, and output data from Environment Canada's network of 2500 gauging stations across the country.

Although specifically built for hydrometric computation, CompuMod is designed to be sufficiently flexible to handle a broad range of integrated monitoring capabilities. Its powerful graphical user interface make the system extremely easy to use and understand. CompuMod is a highly modular application. It includes a complete set of tools for capturing satellite or landline telemetered data and monitoring the status of a sensor network. It also includes sophisticated tools for verifying, correcting, and modelling the data.

**Current Activities:** CadhamHayes Systems Inc. and Environment Canada are cooperating to make CompuMod a commercially available package. The prototype software can be demonstrated now and is currently in use in eight Environment Canada offices across the country. The target date for release of the production system is the third quarter of 1993. Examples of specific current marketing

targets include the Swedish Meteorological & Hydrological Institute (SMHI) and the UNDP for Bangladesh.

**Contact Sought:** Cadham Hayes would like to develop contacts with senior decision makers in the public and private sectors who are responsible for environmental data management, remote data acquisition systems, and hydrometric data acquisition and analysis systems.

#### Can-Ross Environmental Services Ltd.

2270 South Service Rd. West  
Oakville, ON  
L6L 5M9

Tel. 416/847-7190      Fax: 416/847-7175

Contact: *Mr. Ted Edgar*  
*President*

#### HAZARDOUS WASTE OIL SPILL

*Absorbents*  
*Audits/Assessments*  
*Bacterial Cultures*  
*Booms, Spill Control*  
*Containers (Drums)*  
*Emergency Response Equipment*  
*Oil Skimmers*  
*Sealants*  
*Soil Treatment/Reclamation*  
*Spill Clean-up Equipment*  
*Spill Containment*  
*Water Pollution Control*

**Company/Product:** Can-Ross Environmental Services Ltd., incorporated in 1985, provides industry with economical resources that contain and clean-up oil and chemical spills. These products easily meet the most demanding government standards of performance. Can-Ross is a leader in the field of spill control products.

The first product marketed by Can-Ross Environmental Services was a unique adsorbent used for spill clean-up. This product, known as "Matasorb", soaks up to 20 times its weight in oil and chemicals but actually repels water. Other important products in the current Can-Ross line include:

- Sorbx — an adsorbent for oil and chemical leaks;
- Sorbx 2 — for control and containment of aggressive and hazardous liquids;
- Plug N' Dike Sealants — emergency seals for leaking and damaged fuel tanks;
- Tiger Tails Adsorbant Socks — for use around leaking machinery;
- Absorbent Industrial Rugs — an alternative to messy granular products;
- T-Disc Oil Recovery Skimmers — which have recovery rates of up to 300 percent higher than a plain disc of the same diameter;
- Rope Mop Oil Skimmers — which can recover up to 200 barrels of oil per hour;

- Aqua Boom — an all-Canadian oil containment boom;
- Vikoma "Sprint Boom" — a mobile rapid response inflatable response boom; and,
- other products — ranging from Overpack Steel Drums for the shipment of damaged containers, to an inflatable Oil Barge that holds up to 100 tonnes of oil.

Can-Ross maintains an active sales force and distributes its products through 48 outlets across Canada. Sales offices are located in Ontario and Quebec. The company also has one of the largest inventories in the industry and supplies a major share of the Canadian spill control market. Can-Ross is dedicated to providing leadership and superior products for the growing environment industry. The company intends to maintain the high standards that industry demands by continuing to work closely with government, industry associations, and distributors.

**Contact Sought:** Can-Ross would like to develop contacts with senior individuals in the private sector whose companies presently supply industrial components to the maintenance, repair, and overhaul (MRO) market. Of particular interest would be contact with those companies in the MRO sector who have an active sales force and solicit from process industries such as pulp & paper, primary metal, and petro-chemical refining.

#### Canadian Drives Inc.

40 Claireville Drive  
Etobicoke, ON  
M9W 5T9

Tel 416/213-1022      Fax 416/213-0821

Contact *Mr. David Fenton*  
*V.P., Sales & Marketing*

#### WATER & WASTEWATER

##### *Electric Motor Drive Systems*

**Company/Product:** Established in 1973, Canadian Drives Inc. is a private company which has grown steadily over the years. It is committed to providing quality service and products, and this commitment has earned Canadian Drives Inc. a reputation for professionalism and punctual delivery of projects.

Canadian Drives' products are used successfully in wastewater plants, aggregate plants, and food processing plants as well as the tobacco and other industries. The systems are competitively priced, rugged, and simple to operate in the field.

**Current Activities:** Canadian Drives Inc. currently markets its products and systems in Canada and the United States and is expanding operations worldwide.

**Contact Sought:** Canadian Drives Inc. would like to develop contacts with senior individuals in the public or

private sector who are responsible for wastewater treatment as well as those whose firms design and build wastewater treatment systems. Canadian Drives would be interested in supplying its equipment to Spain, Denmark, Japan, New Zealand, and Australia as well as other parts of the world.

#### **Canadian Eagle Recyclers Inc.**

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16 Melanie Dr.  
Brampton, ON  
L6T 4K9

Tel: 416/792-2209      Fax 416/458-4149

Contact: *Mr. Marc Mittleman*,  
*V.P., Sales & Marketing*

#### **RECYCLING SOLID WASTE**

*Absorbents*  
*Disposal Services*  
*Hazardous Material Management/Service*  
*Recycling*  
*Recycling (Wood Chips, Wood Waste)*  
*Soil Treatment/Reclamation*  
*Solid Waste Treatment Services*  
*Waste Transfer*

**Company/Product:** Established in 1989, Canadian Eagle Recyclers Inc. (CERI) represents a consortium of professionals who possess the expertise, experience and solid foundation necessary to make source separation and recycling of solid non-hazardous waste viable. The corporation is a joint venture of Bruce A. Brown Associates Ltd, a full service environmental consulting engineering organization, and Greenspoon Bros. Ltd., Canada's largest demolition contractor.

CERI has developed comprehensive reduction and recycling initiatives ranging from small waste diversion programs to more demanding on-site crushing and screening programs. These latter programs are aimed at processing construction and demolition solid wastes for reuse and/or recycling.

With its mobile crushing and screening plant, CERI has processed over 3,000,000 tonnes of concrete, asphalt, brick rubble, wood, drywall, and impaired soil. The result of this process is the production of road base aggregates, horticultural mulch, recycled gypsum, and commercially acceptable fill as well as the recovery of ferrous metal.

**Current Activities:** CERI has identified and secured local markets for many of the materials recovered by its solid waste transfer station activities: recycled crushed asphaltic/concrete has been utilized as engineered aggregate for road base and under-slab fill; wood for landscape mulch and other horticultural/industrial applications; and recycled drywall for new gypsum wallboard manufacture and absorbent.

**Contact Sought:** CERI seeks new opportunities to demonstrate its practical and cost efficient approach to handling difficult solid waste issues. Canadian Eagle

Recyclers would like to cultivate additional contacts in order to combine experience and resources towards the goal of identifying additional markets for its products and services and developing its manufacturing capability to support its recycling programs.

#### **Canadian Environmental Directory**

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#225, 55 St. Clair Ave West,  
Toronto ON  
M5W 2J8

Tel 416/972-6645      Fax 416/972-6648

Contact *Peter Asselstine*,  
*Editor*

#### **HAZARDOUS WASTES**

#### **Publications**

**Company/Product:** Provides a one-source reference guide to all the information of use to environmental affairs researchers; 1,400-page annual provides details on federal, provincial & municipal government offices and programs, information sources & publications, product and service firms, conferences & trade fairs, organizations & associations, law firms and much more, all related to environmental issues; completely indexed to provide quick access to the information most wanted Markets Served: International.

#### **Canpolar Inc.**

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1450 Lodestar Rd Unit 2  
Downsview, ON  
M3J 3C1

Tel 416/635-5484      Fax 416/635-5353

Contact *Mr James R Rossiter*,  
*President*

#### **HAZARDOUS WASTE MONITORING OIL SPILL SITE RECLAMATION**

*Consulting Services (Geological Engineering)  
Detectors  
Geophysical Equipment  
Mapping, Geological*

**Company/Product:** Canpolar Inc. was formed in 1983 to provide innovative scientific consulting to the offshore development sector, particularly for Canada's Arctic and East Coast regions. The firm specializes in non-invasive mapping services for environmental applications. These high resolution techniques include ground penetrating radar (GPR), electromagnetic ground conductivity, and magnetotellurics. The company has expertise in collecting, interpreting, and displaying information from a variety of sensors.

Applications of these techniques include: detection of buried tanks, drums, and utilities, delineation of contaminants in soil, determination of soil layers and bedrock, and detection of voids and tunnels. The results can significantly enhance traditional borehole methods by extending the range of information around holes.

Campolar Inc. focuses on technologies for the detection and monitoring of pollution, environmental conditions, and infrastructure decay. Its approach is to combine leading sensor technologies with the capabilities of modern portable computers.

**Current Activities** Campolar Inc. has served government and commercial clients across Canada since its inception. Several clients in the north-eastern United States have also been served. The company is well placed to perform services across the U.S. from its base in Toronto. Campolar is affiliated with Intera Information Technologies Corporation of Calgary.

**Contact Sought** Although the major export marketing priority has been the U.S., including Alaska, Campolar is interested in developing contacts world-wide. Areas of special interest include Europe, especially polar rim countries, as well as the Pacific Rim.

#### Canspect Corporation

510 - 1525 Carling Ave.  
Ottawa, ON  
K1Z 8R9

Tel. 613/722-7757      Fax 613/722-9710

Contact *Mr. Farook Aman*  
*Senior Vice-President*

AIR POLLUTION CONTROL  
MONITORING  
SOLID WASTE  
WATER & WASTEWATER

*Consulting Services (Engineering)*  
*Independent Inspection*

**Company/Product** Canspect was established in 1980 as an international independent office engaged in quality and quantity inspection of goods. Although the company is young, it consists of a developed, specialized group of senior engineers who have extensive experience in inspection and control work. Canspect engineers are fully qualified, current in the latest technology, and familiar with the most relevant standards, codes and site practices. Client services personnel regularly take courses to keep abreast of the latest standards, methods, and technologies. Canspect technicians and operators are trained to assist in sample taking and to carry out audits and supplier assessments.

In summary, Canspect can provide peace of mind to clients by benchmarking every step of an operation, from the construction of a plant to the maintenance of quality control. Canspect not only monitors the quality of

equipment that is installed but also the resulting goods produced by the new facility.

#### Capital Petroleum Services Ltd.

274 Enterprise St., P O Box 205  
Vars, ON  
K0A 3H0

Tel 613/443-1001      Fax 613/443-2205

Contact: *Mr. Douglas L. Innes*  
*Secretary-Treasurer*

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

*Biological Wastewater Nutrient Treatment*

*Central Air Handling Systems*

*Central Composting Systems*

*Chemicals, Treatment*

*Clean-up Services*

*Composting*

*Composting Plants*

*Decontamination Systems*

*Emergency Response Systems*

*Energy Management Systems*

*Engineering & Construction*

*Groundwater Treatment*

*Hazardous Material Management/Services*

*Leachate Treatment*

*PCB Treatment/Disposal*

*Plating Waste Treatment*

*Pollution Abatement Services*

*Remediation Services*

*Site Clean-up Management*

*Soil Treatment/Reclamation*

*Tanks, Treatment/Storage*

*Transportation (Hazardous Waste Disposal)*

*Waste Encapsulation*

*Wastewater Treatment Services*

*Water Pollution Control*

**Company/Product** Capital Petroleum Services Ltd. is a Canadian-owned environmental contracting firm with offices in Ottawa and Montreal. Originally established in 1986 as a contracting firm specializing in fuel handling systems to satisfy the needs of petroleum, industrial, and institutional organizations, Capital Petroleum has since evolved into one of Eastern Canada's largest environmental contractors.

The firm has performed nation-wide on a variety of technically sophisticated projects and prides itself on the practical applications and implementation of its remediation technologies.

Capital Petroleum Services Ltd. specializes in site remediation with a particular emphasis on groundwater and soil remediation utilizing a variety of technologies. Major contracts performed include large-scale pump and treatment systems, bio-pile soil treatment sites, plant

decommissioning, landfill leachate treatment systems, and P.O.L. compound upgrades. Project undertakings in the past have included treatment systems in the three million dollar range.

**Current Activities:** Capital Petroleum's current efforts in market expansion include forays into the United States and Great Britain. Successful experience with large-scale remediation projects encourages the firm to look beyond these markets, and the firm is therefore willing to undertake sizable commitments in any overseas market.

**Contact Sought:** Capital Petroleum Services Ltd. would appreciate developing contacts with environmental engineers and civil engineers responsible for wastewater, groundwater, and soil treatment. In addition, the firm would work with those in the private sector requiring site clean-up management.

#### **Chemical Equipment Fabricators Ltd.**

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16 Estate Dr.  
Scarborough, ON  
M1H 2Z1

Tel: 416/438-9266      Fax: 416/438-0382

Contact: *Mr. Roy Murray*  
*Sales Manager*

AIR POLLUTION CONTROL  
WATER & WASTEWATER

*Clarifiers*  
*Filters*  
*Incinerators (Liquids)*  
*Package Treatment Systems*  
*Plating Waste Treatment*  
*Scrubbers*  
*Tanks, Treatment/Storage*

**Company/Product:** Chemical Equipment Fabricators Ltd. have been in business 40 years. Privately owned, the company has grown steadily to become a major supplier of metal finishing equipment and systems in Canada. Plant and offices are located in Scarborough, Ontario. The company designs, manufactures, and installs finishing equipment for electroplating, anodizing, cleaning and phosphating, electrocoating, and painting processes for the aerospace, automotive, furniture, architectural aluminum, fastener, and hardware industries.

Chemical Equipment will design and build every type of finishing system from large fully automated plants producing nickel/chrome plated automobile bumpers to small gold and silver plating tanks for the jewellery trade. Each system can produce contaminated wastewater and polluted air emissions as a result of the chemicals and metals employed in the finishing processes. The company specializes in the design and installation of the water and air treatment facilities needed to remedy these problems and be in compliance with the stringent requirements of government regulatory agencies.

**Current Activities:** To date all of the company's sales activity has been in Canada and the U.S.

**Contact Sought:** The company would like to broaden its contacts in the United States and develop contacts in Mexico and the Far East. Licensing and distributor arrangements with overseas companies wishing to expand their product base are of interest to Chemical Equipment Fabricators Ltd.

#### **Church & Trought Inc.**

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2 Valleybrook Dr  
Don Mills, ON  
M3B 2S9

Tel 416/391-2527      Fax 416/391-1931

Contact *Mr Alan Church*  
*President*

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
SOLID WASTE  
WATER & WASTEWATER

*Computer Management Systems/Software*

**Company/Product:** Church & Trought Inc (CTI) was incorporated in 1991, is registered under the Professional Engineers Act of Ontario and employs a chemical engineering focus to most of its assignments.

The company offers an environmental management service to industrial clients that covers the full range of technical and regulatory needs for maintaining business in the modern world. CTI specializes in the problems and solutions of air emission issues and also in the application of hazard and risk analysis to industrial settings.

Key products include air emission surveys, industrial equipment permitting, dispersion modelling for compliance determination, control strategy recommendations, HAZOP, and "What If" and industrial risk studies.

CTI has developed a unique chemical engineering/software approach to environmental emission monitoring that simulates plant activities and develops emission inventory data on a routine basis. The product is sold under the name of ZEUS and is available to operate on microcomputers.

**Current Activities:** CTI currently operates in Canada but has had contacts in Mexico, the USA, West Africa and Australia. Industries served come from virtually all sectors and have included mining, food, automotive, and chemical. CTI is positioned to serve clients in all geographic areas on a project specific basis.

## CMS Group Inc.

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140 Snow Blvd., Unit 3  
Concord, ON  
L4K 4C1

Tel: 416/660-7580      Fax 416/660-0243

Contact. Mr T.G. Smith  
President

### WATER & WASTEWATER

*Biological Wastewater Nutrient Treatment  
Consulting Services (Management)  
Leachate Treatment  
Package Treatment Systems  
Pilot Plants for Process Research  
Project Management Services  
Water Pollution Control*

**Company/Product** CMS Group Inc. has been providing solutions for domestic and industrial wastewater treatment problems in Canada since 1974. CMS currently markets a complete line of wastewater treatment technologies, including three proprietary systems, and offers complete services covering pilot studies, environmental approvals, design, installation, start-up, and training. The proprietary CMS systems are: Rotordisks™, Chemdisks™, and B.U.G.S.™.

The Rotordisks™ are rotating biological contactors (RBC's) suitable for domestic wastewater treatment. The sizes of these systems range from units suitable for individual single family dwellings to units suitable for communal applications. These are self-contained systems of which CMS has sold over 1,600 to date worldwide.

Chemdisks™ are specially designed RBC's for the treatment of high strength industrial wastewaters. These systems are all custom designed and have been successfully applied to the treatment of concentrated phenolic wastewater and landfill leachates.

The Buoyant Media Upflow Gravity Self-Cleaning filter, known as B.U.G.S.™, is an advanced (tertiary) filter that is suitable for a wide range of flows and applications. One unique application of this filter is the performance enhancement of municipal sewage treatment plants.

Since 1981 CMS has been involved in the treatment of landfill leachates and now offers complete leachate treatment system services to municipal and private landfill owners.

**Current Activities:** CMS currently markets its products and services primarily in Canada and several U.S. states. CMS annually sells several units internationally and is seeking licensing and sales opportunities worldwide. The simplicity of the CMS products allows them to be easily built, applied, and operated.

## Comcor Waste Systems Ltd.

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35 Crawford Cres  
P O. Box 387  
Campbellville, ON  
L0P 1B0

Tel. 416/854-0080      Fax: 416/854-0094

Contact. Mr. Walter Grazikini  
President

**RESOURCE MANAGEMENT**  
**SITE RECLAMATION**  
**SOLID WASTE**

*Consulting Services (Engineering)*

**Company/Product** Comcor Waste Management

Consultants, a division of Comcor Waste Systems Ltd., was established in 1985 to provide specialty engineering and consulting services in waste management and environmental engineering. Waste management services offered by Comcor include development and application of advanced waste disposal technology, design of solid waste disposal sites, development and evaluation of landfill operations and management plans, site selection and evaluation studies, and cost analysis of waste collection and disposal options.

In hydrogeology and contamination, the firm's services include geological and hydrogeologic investigations, design and implementation of surface and groundwater monitoring programs, solid contamination studies, and design of remediation programs. Other services include the design of landfill gas monitoring programs and venting systems, feasibility analysis, and design of landfill gas recovery and utilization systems.

## Comptank Corp.

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R R 2  
Bothwell, ON  
N0P 1C0

Tel 519/695-2915      Fax 519/695-2114

Contact Mr Andy Falds  
President

**HAZARDOUS WASTE**  
**OIL SPILL**  
**WATER & WASTEWATER**

*Tanks, Treatment/Storage  
Transportation  
Transportation (Hazardous Waste Disposal)  
Vehicles (Sludge Application, Vacuum Cleaning)*

**Company/Product** Incorporated in 1987, Comptank manufactures a fibreglass reinforced plastic (FRP) tank trailer for highway and off-road use. These trailers are of state-of-the-art construction and are light weight and extremely strong. They are ideally suited to the transportation of new chemicals and hazardous waste. In addition, the trailers are full vacuum and are ideally suited

for spill cleanup. Comptank's products offer their users great flexibility in that they can accommodate a great variety of loads which cannot be hauled in any other type of trailer.

**Current Activities:** Approximately 70% of production is exported to the U.S.. Major waste haulers in the U.S. are using Comptank trailers successfully and have given the firm repeat business.

#### **Concord Environmental Corp.**

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2 Tippett Rd  
Toronto, ON  
M3H 2V2

Tel: 416/630-6331      Fax 416/630-0506

Contact *Mr. R. Portelli*  
*President*

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
MONITORING

*Air Pollution Control  
Air Quality Systems  
Analytical Services  
Audits/Assessments  
Consulting Services (Management)  
Emergency Response Services  
Hazardous Material Management/Services  
Independent Inspection  
Information Management Systems  
Pollution Abatement Services  
Training Programs/Films/Books  
Workshop Facilitation*

**Company/Product:** Since its founding in 1979, Concord Environmental Corporation has become one of Canada's leading environmental consulting and research firms with offices in Toronto, Calgary, and Vancouver. Concord's staff includes 35 professionals, approximately two-thirds of whom hold master's or doctoral degrees in the physical or biological sciences, computer science, or engineering, and one-half of whom have over 10 years professional environmental experience. This experienced, multi-disciplinary team provides a range of expertise that is unique in Canada for assessment, problem solving, and research and development in environmental areas. The company's commitment to research and development enables it to remain at the forefront of environmental technology, thereby providing its clients with current environmental solutions.

Concord provides the following services:

- Environmental Management
- Environmental Assessment and
- Scientific Research & Development

Furthermore, Concord has specialized capabilities in:

- Environmental Impact Assessment

- Environmental Auditing
- Comprehensive Air Quality Services
- Meteorological and Climatological Studies
- Risk Assessment and Management,
- Emergency Response Planning
- Biophysical Studies
- Occupational Health and Safety
- Air Emissions Source Testing
- Instrumentation Development and Testing
- Analytical Laboratory Services and
- Indoor Air Quality

The company has successfully completed more than 3000 projects for clients in the electrical utility, oil and gas, petrochemical, chemical, manufacturing, pulp and paper, and automotive industries as well as for municipal, provincial, and federal government departments across Canada.

**Current Activities** Concord has successfully completed projects for international clients in Brazil, the Caribbean, Columbia, Italy, Mexico, Russia, Turkey, and the United States.

**Contact Sought** Concord Environmental wishes to expand its delivery of environmental services to industrial or public sector clients internationally. The company is interested in developing contacts with private sector firms or individuals whose services and expertise complement its own.

#### **Conestoga-Rovers & Associates Ltd.**

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651 Colby Dr  
Waterloo, ON  
N2V 1C2

Tel 519/884-0510      Fax 519/884-0525

Contact *Mr Ron Schwark*  
*Shareholder*

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
OIL SPILL  
RECYCLING  
RESOURCE MANAGEMENT  
SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

*Audits/Assessments  
Consulting Services (Engineering, Geological and Petroleum)  
Engineering (Management)  
Data Acquisition/Processing  
Engineering & Construction  
Geophysical Services  
Geotechnical Studies  
Groundwater Exploration & Development  
Groundwater Monitors  
Groundwater Treatment  
Hazardous Material Management/Services  
Hydraulic Modelling & Research  
Hydrogeological Instrumentation*

*Independent Inspection  
Information Management Systems  
Inspection (Soil)  
Multi-Disciplinary Services  
PCB Treatment/Disposal  
Project Management Services  
Public Works Engineering  
Remediation Services  
Site Clean-up Management/Inspection  
Sludge Handling/Treatment  
Soil Treatment/Reclamation  
Solid Waste Treatment Services  
Wastewater Treatment Services*

**Company/Product:** Established in 1976, Conestoga-Rovers & Associates (CRA) is a consulting engineering firm which has its head office located in Waterloo, Ontario and Canadian branch offices in Toronto and Ottawa. Affiliate American offices are located in Niagara Falls and Wappingers Falls, New York; St.Paul, Minnesota;Chicago, Illinois; Atlanta, Georgia; and Detroit, Michigan. Services in waste treatment technologies are provided through the affiliated firm of TreTek-CRA Company, Niagara Falls, New York. CRA's extensive expertise in environmental engineering has allowed the firm to execute environmental projects from the initial investigation, through remedial design and construction, to long-term management and monitoring.

CRA provides consulting services in civil/environmental engineering. These services include:

- hazardous waste handling, storage, and incineration;
- contaminated groundwater treatment;
- water supply, storage, and treatment;
- floodline mapping;
- stormwater management; and
- quality assurance programs.

**Current Activities** CRA currently provides consulting services primarily to Canadian and American clients. Some projects have been completed in Belgium, Germany, and Brazil. The general market and associated industries served by CRA are pharmaceutical, chemical, petrochemical, automotive, steel, aerospace, and landfill operations.

**Contact Sought:** CRA would like to develop contacts with senior individuals of private and public sectors who are responsible for environmental operations.

#### **Control Microsystems Inc.**

28 Steacie Dr.  
Kanata, ON  
K2K 2A9

Tel: 613/591-1943      Fax: 613/592-1022

Contact *Mr. Allan Erion*  
*Marketing Manager*

MONITORING

#### **WATER & WASTEWATER**

*Instrumentation Systems  
SCADA Systems for Remote Monitoring & Control  
Supervisory Control Systems  
Telemetry*

**Company/Product** Founded in 1980, Control Microsystems specializes in the design, manufacture, and marketing of equipment for remote monitoring and control including telemetry products, communications products, and Remote Terminal Units (RTUs) used in Supervisory Control and Data Acquisition (SCADA).

Typical product applications involve monitoring and control of processes such as municipal water/wastewater systems, pipelines, and irrigation systems, and environmental monitoring. The company's products are very rugged, featuring wide operating temperature ranges, electrical transient protection, and low maintenance, which are requirements for these critical applications.

Control Microsystems products are compatible with a broad range of third party equipment and software. Use of standard communication protocols, standard hardware interfaces, and standard programming languages ensures that these can be programmed and supported by the end user, by independent systems integrators, or by engineering groups. Serviceability is ensured by supplying detailed hardware documentation including circuit descriptions, CAD-generated schematic diagrams and printed circuit module layout drawings.

These measures provide customers with the means to increase, support, and adapt their systems as required. In addition, Control Microsystems is available to help its customers whenever desired.

**Current Activities** In 1984, a national marketing program was developed and the first Canadian distributors were assigned. In late 1989 Control Microsystems initiated efforts to expand sales into the entire North American market.

Currently sales agents have been assigned to cover most of the United States, Mexico, and some Far Eastern, European, and South American countries. Exports make up a majority of Control Microsystems' sales and will continue to do so with the globalization of world markets.

#### **Covertech Fabricating Inc.**

1889 Albion Rd., Units 1-3  
Etobicoke, ON  
M9W 5S9

Tel: 416/798-1340      Fax: 416/798-1342

Contact *Mr. John Starr*  
*Vice-President, Marketing & Sales*

RESOURCE MANAGEMENT  
SOLID WASTE

**Covers, Tank & Pond  
Soil Treatment/Reclamation**

**Company/Product** Incorporated in 1990, Covertech Fabrication Inc. is privately owned and operated. Products and services are available to the swimming pool, construction, farming/agriculture, solid waste management, and industrial industries.

Covertech has developed a landfill daily cover product called Covertech C-440. Covertech C-440 is a woven fabric system designed to provide daily cover material for landfill working face. This system increases landfill capacity by replacing dirt as a covering material. It can be easily installed by manpower or existing equipment such as compactors/dozers. Covertech C-440 has a life expectancy of 8 - 14 months. Other advantages of the system include: lowered maintenance costs and increased tipping revenues; cover in wet and frozen conditions; control of disease vectors; odour and vapour emission suppression; prevention of litter blow-away; minimalized surface water infiltration; and cost effectiveness.

**Current Activities** Presently serving Canada, Europe, and the United States. Interested in Asian and Mexican markets.

**CPRT Laboratories Inc.**

6 - 22 Gurdwara Rd.  
Nepean, ON  
K2E 8A2

Tel: 613/226-5342      Fax: 613/226-5344

Contact: Mr. K. Anwer Mehken

**RESOURCE MANAGEMENT  
WATER & WASTEWATER**

*Analytical Services  
Laboratories  
Research Services*

**Company/Product:** CPRT is an innovative environmental research and development company. Housing a full service, physical and chemical testing laboratory, CPRT offers specialization in trace chemical analysis of water, soil, and minerals. CPRT takes great pride in its team of skilful scientists as well as its use of state-of-the-art equipment. The company's expertise has benefited a wide spectrum of clients including all levels of government, private industry, and individual consumers.

The Environmental Technology Research Division (ETRD) complements the firm's environmental services. ETRD's latest development is the Automated Preconcentration Sampler System (APS). The APS is a portable, compound-specific monitoring instrument used for ultra-trace analysis of pollutants in all water environments.

**Culligan of Canada Ltd.**

5889 Cooper Ave  
Mississauga, ON  
L4Z 1P9

Tel: 416/798-7670      Fax: 416/890-6357

Contact *Mr. Joe O'Brien*  
*Technical Services*

**WATER & WASTEWATER**

*Activated Carbon Treatment Systems  
Chemical Feeders  
Filter Systems  
Filters  
Package Treatment Systems  
Reverse Osmosis Ultrafiltration  
Ultraviolet Light Disinfection Systems  
Water Purifiers  
Water Softeners*

**Company/Product** Founded in 1950, Culligan is one of the world's largest water treatment companies. The firm's reputation as a leader is based on the fact that it has worked on and solved some of the world's toughest water treatment problems and met the most exacting purity specifications in applications ranging from 10 to 10 million gallons a day.

In commercial and institutional applications, Culligan has improved the quality of water in hotels, schools, car washes, laundries, hospitals and restaurants. A full line of Culligan softeners, filters, reverse osmosis units, ultrafilters and de-ionizers are ready to give clients exactly the kind of water they need.

"Off the Shelf" equipment allows Culligan to supply standard products for most industrial requirements, which allows for savings in engineering time. Culligan also has ready-made, after sales service manuals and spare parts lists.

**Cusco Fabricators Inc.**

305 Enford Rd  
Richmond Hill, ON  
L4C 3E9

Tel: 416/883-1214      Fax: 416/883-1778

Contact *Mr. Steve Godwin*  
*President*

**HAZARDOUS WASTE  
OIL SPILL  
WATER & WASTEWATER**

*Vacuums  
Vehicles (Vacuum Cleaning)*

**Company/Product** Cusco Fabricators Inc., a Waste-Quip company established in 1969, manufactures an extensive range of equipment used in the removal of liquid, semi-liquid, solid, and dry waste material. The equipment tanks range in capacity from 100 - 4000 imperial gallons

mounted on truck chassis to 1,000 - 9,000 gallons mounted on semi-trailers. Vacuum systems on these tanks range from 100 to 4000 Cu. Ft/Min. and can be driven by various sources. Options such as pressure wash systems, hydraulic dump systems, full opening back doors, and hydraulic vibrators are available.

In 1981, Cusco received certification from the U.S. Department of Transport, A.S.M.E., and the National Board of Boiler and Pressure Vessel Inspectors allowing it to manufacture vacuum equipment for use in the removal of hazardous waste materials.

Cusco has established its reputation as a quality builder of reliable mobile vacuum systems using innovative designs.

**Contact Sought** Cusco would like to expand its market activity throughout Canada and the United States using distributors and sales agents.

#### **Cyanide Destruct Systems Inc.**

383 Elmira Rd  
Guelph, ON  
N1K 1H3

Tel: 519/837-1899      Fax: 519/837-1622

**Contact:** Mr. Herbert Robey  
Director

HAZARDOUS WASTE  
RECYCLING  
RESOURCE MANAGEMENT

*Disposal Services*  
*Wastewater Treatment Services*

**Company/Product:** Cyanide Destruct Systems (CDS) was incorporated in the Province of Ontario in 1986. Its primary mandate was to develop and commercialize the Thermal Hydrolysis System for treatment of cyanide bearing wastewater.

The CDS Thermal Hydrolysis System is one of the most effective methods of destroying cyanide known in the world. As no chemicals (such as chlorine) are required, it does not create toxic or undesirable byproducts. It has particular application in the following industries: electroplating, steel heat treating, aluminum smelting, and gold mining, among others.

**Current Activities:** At present the firm has systems in operation in Canada, the United States, and South Africa.

**Contact Sought:** The market for the system is attractive in Mexico, Eastern and Western Europe, and the Orient, most notably China, Taiwan, and Korea. CDS would be interested in developing contacts with companies in these regions, preferably those currently servicing the electroplating industry (e.g. distributors or engineering firms).

#### **D. Greenfield Associates Ltd.**

2500 Industrial St., Unit 204  
Burlington, ON  
L7P 1A5

Tel 416/335-3911      Fax 416-335-3963

**Contact:** Mr. David Greenfield  
President

SITE RECLAMATION  
WATER & WASTEWATER

*Consulting Services (Engineering)*  
*Engineering & Construction*  
*Wastewater Treatment Services*  
*Water Pollution Control*

**Company/Product:** Incorporated in 1974, D. Greenfield Associates Ltd. provides environmental engineering services in the planning, design, supervision of construction, and operational assistance for pollution control systems to private and municipal clients in the field of domestic and industrial wastewater treatment and disposal. The firm's emphasis is on rural and smaller systems. Water supply and distribution as well as treatment are also a specialty.

**Current Activities:** The company has done work throughout Canada and in the Caribbean as well as more recently in eastern Europe for domestic water quality control plants in the range from 5 to 50,000 cu. m per day. The firm has worked with Canadian contractors to provide a Design-Build-Operate service. Financial arrangements can be made available.

Plants designed and put into operation by D. Greenfield Associates Ltd. are located in Trinidad, Sudbury, Fredericton, Hamilton, Freelton, and Burlington.

#### **Delcan International Corporation**

133 Wynford Dr  
North York, ON  
M3C 1K1

Tel 416/391-7550      Fax 416/441-0445

**Contact:** Mr. D.A. Duggan  
President

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
RESOURCE MANAGEMENT  
SOLID WASTE  
WATER & WASTEWATER

*Consulting Services (Engineering, Management)*

**Company/Product:** Delcan is an independent, Canadian, employee-owned consulting company, established in 1953 and working overseas for over 30 years. Branches are located in most major cities across Canada and in Turkey, Venezuela, Barbados, Mexico, Malawi, Tanzania, Hong Kong, Taiwan, Singapore, Malaysia, and in the USA

(Chicago and San Francisco). Delcan has successfully undertaken projects in over 60 countries on all continents.

Client service is the company's top priority, providing professional services based on local knowledge and close personal contact.

Delcan's services include studies, financing, planning, architecture, preliminary and final engineering design, maintenance programming, construction supervision, project management and equipment procurement. These services are provided in the fields of transportation, systems engineering, municipal and environmental engineering, structural engineering, and urban rural planning. Services are provided to government, international lending agencies, and corporate clients around the world.

Delcan marketing activities are also centred around turnkey projects, build-operate-transfer (BOT) projects, privatization, and project financing.

**Current Activities** Some of Delcan's current activities include:

- Venezuela — sewage treatment plants;
- Barbados — coastal conservation project;
- Turkey — environmental studies;
- Korea — traffic control system design, procurement and commissioning;
- Tanzania — technical assistance to Tanzania Railway Corp.; and,
- Ethiopia — road design review.

**Contact Sought** Delcan would like to develop contacts with clients/consultants/contractors for turnkey projects, BOT projects, privatization and project financing in the transportation and environmental/municipal fields. Delcan would also like to establish contacts with international financing agencies for such projects in Turkey, Mexico, Venezuela, and South East Asia.

#### Dennis Netherton Engineering

885 Jet Ave., P.O. Box 10  
North Bay, ON  
P1B 8G8

Tel. 705/476-2165      Fax 705-474-8095

Contact: Mr. Matt Parfitt  
Senior Project Engineer

HAZARDOUS WASTE  
MONITORING  
RESOURCE MANAGEMENT  
SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

Acid Mine Drainage Services  
Aerial Photography/Mapping  
Clean-up Services  
Consulting Services (Acid Rock Drainage, Energy  
Planning, Forestry Management, Geological & Petroleum)

Geographic Information Systems Software  
Geotechnical Studies  
Groundwater Exploration & Development  
Groundwater Monitors  
Groundwater Treatment  
Hydraulic Modelling & Research  
Hydrogeological Instrumentation  
Inspection (Materials, Soil)  
Natural Resource Management  
Pollution Abatement Services  
Project Management Services  
Site Clean-up Management  
Site Inspection  
Soil Treatment/Reclamation

**Company/Product** Dennis Netherton Engineering (DNE) is an established consulting firm that specializes in providing geotechnical and environmental services. The company, started in 1984, operates from its head office in North Bay, Ontario. Over the past decade DNE has established an excellent reputation for successfully handling large scale projects professionally and in a cost effective manner. DNE is committed to providing its clients with innovative solutions through the practical application of engineering and design. This is due in part to DNE's ability to network with its affiliated companies, Bharti Engineering (Sudbury, Ontario) and Adrian Brown Consultants (Denver, Colorado) and the extensive industry experience of senior DNE management.

DNE specializes in providing geotechnical and environmental engineering services to private industry and public sectors focusing on waste management and impoundment design. This entails site reconnaissance and terrain evaluation, subsurface investigation, laboratory testing, earthwork engineering, and design and construction supervision. Apart from hydrology studies, DNE also provides complete services regarding the planning, design, construction, and monitoring of hydraulic structures such as decant towers, spillways, and siphons. In response to the demand for its services, DNE has expanded and diversified its scope of services into the environmental field to include such projects as environmental audits, site closure assessments, and hydrocarbon investigation and remediation.

**Current Activities** Over the past decade, DNE has established its home base in Northern Ontario. Using this area as a springboard, DNE is considering projects in Quebec, British Columbia, and the United States. As well, DNE is actively pursuing work in South America and is planning to open an office in the area in the near future.

**Contact Sought** DNE would like to develop contacts with individuals in the public and private sector who are responsible for environmental and geotechnical services, evaluations, and engineering, as well as firms which design and build related products.

## Diesel Controls Ltd.

P.O Box 850, Station "B"  
Willowdale, ON  
M2K 2R1

Tel: 416/660-6450      Fax 416/660-6435

Contact *Mr John Wrzos*  
*Marketing Manager*

### AIR POLLUTION CONTROL

*Catalysts*  
*Scrubbers*

**Company/Product** Incorporated in 1986, Diesel Controls Limited designs and manufactures MINE-X emissions control products for internal combustion engines (diesel, unleaded gasoline, and propane) which used in confined spaces such as mines, tunnels, and structures under construction as well as for industrial engines used indoors. Marketing is directed primarily towards manufacturers and distributors of underground mining and construction equipment as well as manufacturers and distributors of material handling equipment such as forklift trucks.

MINE-X products offer advantages which include high mechanical and thermal durability, easy installation, and simple maintenance. Export sales total one million dollars.

**Current Activities** Major international customers include Kawasaki Heavy Equipment of Japan, Wagne Mining Equipment from the U.S., and Schopf GmbH of Germany. Major distributors include Automotive and Industrial Supply Ltd., Lake Shore Inc. in the United States, and Maquinter S.A. in Spain.

Major research laboratories cooperating with Diesel Controls on the development of new methods of pollution control include the U.S. Bureau of Mines, Donaldson Corp. and 3M Corp.

## DPA Group (International) Inc., (The)

900 - 102 Bloor St West  
Toronto, ON  
M5S 1M8

Tel. 416/961-1474      Fax 416/922-5380

Contact *Mr Grant Sigsworth*  
*Director, International Marketing*

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
MONITORING  
RESOURCE MANAGEMENT  
WATER & WASTEWATER

*Audits/Assessments*  
*Consulting Services (Forestry Management)*  
*Economics, Environmental*  
*Financial Services*  
*Information Management Systems*

*Infrastructure Design*  
*Natural Resource Management*  
*Project Management Services*  
*Public Consulting*  
*Research Services*  
*Training Programs/Films/Books*

**Company/Product** The DPA Group (International) Inc. is a wholly Canadian-owned management consulting firm, affiliated with the ARA Consulting Group established in 1971. The firm has completed several thousand assignments, providing services to all levels of government in Canada and overseas as well as numerous private sector clients. The "Financial Post" has rated DPA/ARA among the top ten management consulting firms in Canada. The firm's success is based on proven abilities in research, analytical and problem-solving techniques, and project management. DPA has permanent offices in Vancouver, Toronto, Ottawa, and Halifax, with project offices and local associates in all developing regions.

DPA offers extensive experience in the EIA process, conducting assessments and valuation of the socio-economic and resource policy consequences of environmental impacts of major resource developments. DPA was one of the first economics and management consulting firms in Canada to specialize in environmental issues, and has developed a broad base of experience in this area since the mid-1970's. Subsequently, the company broadened its consulting practice in the whole area of integrated resource management and sustainable development. Services are offered in all stages of the project cycle, from preparation through implementation, monitoring and evaluation, and effective utilization of geographic information systems.

**Current Activities** DPA/ARA experience includes the efficient and effective execution of substantial projects and programs in nearly 40 countries over all developing regions worldwide. Its international practice offers services under funding from bilateral donors such as the Canadian International Development Agency, multilateral financing institutions including the World Bank, the Asian Development Bank, and UNDP, as well as from recipient governments directly. The firm is currently offering project management and/or technical assistance and training to overseas clients in approximately 15 projects in the Commonwealth Caribbean, Ghana, Ethiopia, Malawi, Zimbabwe, the Gambia, Pakistan, Bangladesh, Malaysia, Thailand, the Philippines, and shortly, China.

**Contact Sought** DPA is interested in offering its expertise and specialized services in environmental economics and management and institutional strengthening to project opportunities financed by international agencies and national governments. Contacts are welcomed with senior officers in public and parastatal agencies who are responsible for preparing or implementing studies and technical assistance.

### **Duratron Systems Ltd.**

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120 Melford Dr., Unit 9  
Scarborough, ON  
M1B 2X5

Tel: 416/299-4367      Fax: 416/299-9033

Contact: *Mr. Hank St Onge*  
*President*

#### **WATER & WASTEWATER**

*Cathodic Protection  
Containers (Litter)  
Fusion/Footage Tools  
Pipe Rehabilitation Systems  
Pipes, Valves, Fittings  
Sewer/Watermain Rehabilitation  
Television Sewer Inspection*

**Company/Product:** Duratron Systems Ltd., a Canadian-owned company, was incorporated in 1974. In 1989 the company was incorporated in the state of Virginia to serve the U.S. market.

Presently the company specializes in sewer and watermain rehabilitation and serves municipal and industrial customers. Rehab technology is complemented by computerized video monitoring vehicles as well as cleaning, flushing, winching, lateral reinstatement, and other specialized equipment.

The Corrosion Division of Duratron manufactures cathodic protection anodes and accessories which are supplied through distributors. Specialty products, such as sacrificial nuts and washers, were developed for the waterworks industry to control corrosion of buried valves and fittings.

**Current Activities:** Duratron Systems Ltd. has provided pipeline technology to the Canadian market for more than eighteen years and is now providing no dig, segmented, patented technology to both Canada and the United States. The patented Buttress-Loc™ segmented pipe is sold through licensed distributors in the U.S.A. and is manufactured Ontario and South Carolina.

### **Eco-Tec Ltd.**

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925 Brock Rd .S.  
Pickering, ON  
L1W 2X9

Tel: 416/831-3400      Fax: 416/831-3409

Contact: *Carmine Fontana*  
*International Coordinator*

#### **RECYCLING WATER & WASTEWATER**

*Ion Exchangers  
Metal Recovery Systems  
Water Purifiers*

**Company/Product:** Eco-Tec designs purification and recovery systems which help to solve environmental problems around the world. Many of these systems are used to reclaim "heavy" metals such as copper, nickel, and chrome, or purify the acids that are used in metal treatment processes. Electroplating, aluminum anodizing, steel finishing, and printed circuit board fabrication are examples of the industries that use Eco-Tec systems. Utilizing an advanced ion exchange process called Recoflo, complete recovery systems often include other technologies which Eco-Tec has either developed or licensed from around the world. In addition to recovery applications, Recoflo is used for water purification, particularly where large volumes or high purity are important. The high efficiency Recoflo process reduces capital and operating costs.

**Current Activities:** Manufacturing facilities are located in Canada (serving North America and the Far East) and the U.K. (serving the European Economic Community and the Middle East).

### **Ecodyne Ltd.**

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2201 Speers Road  
Oakville, ON  
L6L 2X9

Tel: 416/827-9821      Fax: 416/827-8428

Contact: *Mr. D. Hickling*  
*President*

#### **WATER & WASTEWATER**

*Activated Carbon Treatment Systems  
Clarifiers  
Comminutors  
Cooling Towers  
Evaporators (Wastewater)  
Filters  
Flocculators  
Reverse Osmosis Ultrafiltration  
Water Pollution Control*

**Company/Product:** Established in 1958 and headquartered near Toronto, Canada, Ecodyne Limited, designs and manufactures water and waste treating equipment, cooling towers and evaporators. Principal markets served by Ecodyne include the power generation, oil and gas, chemical production, pulp and paper, mining, and general manufacturing industries, as well as towns and municipalities.

Combining a large team of experienced engineers and project managers with financial strength through collaboration with affiliated companies in the United States, Ecodyne is able to undertake large projects and meet complex specifications.

**Current Activities:** Export sales total approximately \$5 million. Major clients range from Ocean State Power, Quantum Chemical, Hawker Siddeley in the United States to Fushun China, Oil Refineries in Israel, Chitagong Urea

Fertilizer Plant in Bangladesh, and many more in over 30 countries.

#### **ECO Equipment Inc.**

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16700 Bayview Ave.  
Suite 219  
Newmarket, ON  
L3X 1W1

Tel. 416/836-9490      Fax 416/836-9070

Contact: *Mr. Andrew Hutton*  
*V.P., Marketing*

**SOLID WASTE**  
**WATER & WASTEWATER**

**Filters**

*Leachate Treatment*  
*Package Treatment Systems*  
*Plating Waste Treatment*  
*Sequencing Batch Reactors*  
*Sewage Shredding/Screening Equipment*  
*Sludge Handling/Treatment*  
*Wastewater Treatment Services*  
*Water Pollution Control*

**Company/Product** Established in 1978, Eco Equipment Inc. is a privately owned wastewater treatment equipment manufacturer. The firm has grown steadily over the years and now has permanent offices in Toronto and Montreal. Eco Equipment is committed to providing quality service through the application of sound engineering principles in the design and supply of high quality equipment and processes. This commitment has earned the company a reputation for delivery of projects on schedule and within budget.

Its technology is best suited for all biologically treatable wastewater, and has been used successfully to treat wastewater from municipalities, food processing plants, and other industries. Eco Equipment engineers have developed a range of systems, each of which is intended for a different application. One of its main accomplishments is the Sequencing Batch Reactor which can produce extremely high quality effluents from a wide range of industrial wastewaters and municipal sewage with minimal structural and operating costs, thereby minimizing overall sludge disposal. The systems are economical to build and run and are also simple to operate, making them very competitive in the marketplace.

**Current Activities** Eco Equipment currently has full-scale treatment systems for industrial wastewater operating in Canada, the United States, Mexico, and Antigua. Among the industries served are wet-corn milling, potato processing, abattoirs, dairy products, landfill leachates, and municipalities.

**Contact Sought** Eco Equipment would like to develop contacts with senior individuals in the public or private sector who are responsible for wastewater treatment as well as those whose firms design and build wastewater treatment

systems, and who are interested in applying new technologies. Eco would also like to identify potential licensees who have the capability and interest to market and build these plants in South America, Spain, India, Australia, and New Zealand.

#### **Ecolad Corporation**

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1680 Bernard Rd  
Windsor, ON  
N8Y 4K7

Tel. 519/253-6262      Fax 519/253-8323

Contact: *Mr. Mitchell Awad*  
*Manager, Operations*

**RECYCLING**  
**SOLID WASTE**

*Containers (Litter, Recycling)*  
*Educational Material*

**Company/Product** Ecolad Corporation, established in 1976, provides high quality recycling and litter containers. The firm's success is largely due to the economic advantages and effectiveness of its products as well as the wide variety of recyclable goods which these products can accommodate.

Ecolad's recycling and litter containers are made of 100% recycled cast aluminium and are of one piece construction. Designed to be pleasing to the eye and easily serviced, these containers are rust, fire, salt water, weather, and animal proof. These rugged, maintenance-free containers allow for substantial savings over other, less durable litter receptacles.

**Current Activities** Ecolad Corporation currently services Canada and the United States.

**Contact Sought** Ecolad Corporation would like to develop contacts with anyone requiring recycling and litter control containers, such as municipalities, Public Works departments, recycling coordinators, waste management committees, Parks and Recreation departments, golf courses, shopping centres, marinas, etc..

#### **Ecolo Odor Control Systems**

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1222 Fewster Drive # 9  
Mississauga, ON  
L4W 1A1

Tel. 416/625-8664      Fax 416/625-8892

Contact: *Mr Calvin Sager*  
*President*

**AIR POLLUTION CONTROL**

*Air Pollution Control*  
*Odour Controls*

**Company/Product:** Ecolo Odor Control Systems is a 100% Canadian-owned company which has been serving the marketplace for approximately 15 years. All the company's

products and equipment are manufactured in its 15,000 sq. ft. plant in Mississauga, Ontario.

Ecolo dispensing systems come in many sizes and have been implemented in areas ranging from small washrooms to large sewage plants. These products can be used any place where organic odours create a problem.

'AirSolution' is the company's mixture of essential oils which naturally destroy organic odours. At present, the company has formulations for washroom odours, garbage odours, sewage plants, abattoirs, fish and smoke odours, and hot cooking odours. Other formulae are presently being tested.

**Current Activities:** Ecolo products are currently being marketed through exclusive distributors in Australia, New Zealand, Taiwan, Hong Kong, Singapore, Malaysia, Thailand, Philippines, Korea, France, Austria, Belgium, Holland, Spain, Norway, Jamaica, parts of the United States, and throughout Canada.

**Contact Sought:** Ecolo is expanding and would like to establish distributors in any country not listed above.

#### **Ecoplant Programs Corporation**

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Suite 139, 401 Richmond St  
Toronto, ON  
M5V 1X3

Tel: 416/340-7673      Fax 416/348-9477

Contact: Guy Crittenden, C E O

#### **HAZARDOUS WASTES**

#### **Trade Shows/Conferences**

**Company/Product:** EcoPlant Programs Corp. is a management and development company working with industrial, manufacturing and environment associations, governments and private industry to coordinate the effective delivery of state-of-the-art information technologies. We are hosting the GREEN INDUSTRIAL SKILLS EXCHANGE on October 18, 19 & 20 at the Regal Constellation Hotel in Toronto. For fax. back information call 1-800-463-7363 ext. 9923 (also call ext. 9924 for information on the Air & Waste Management Association - Ontario Section Conferences, ext. 9925 for Canadian Environmental Workshops ext. 9926 for Canadian Manufacturing Week Exhibitions).

#### **Eco Wood Products Ltd.**

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20 Freshway Dr  
Concord, ON  
L4K 1B2

Tel: 416/669-4340      Fax 416/669-9945

Contact: Ms Bernice Druzin  
President

#### **RECYCLING**

*Composting (Sawdust)  
Recycling (Wood Chips, Wood Waste)*

**Company/Product:** Incorporated in 1972, Eco Wood Products Ltd., recycles all types of wood, skids, crates, reels and wood cut offs. These are recycled into various sizes of wood chips and sawdust. These products are used for composting and in the manufacturing of particle board, shingles, fuel, filler in plastics, and animal bedding.

**Current Activities:** Eco Wood Products is interested in exploring all export opportunities.

#### **EIMCO Process Equipment**

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5155 Creekbank Rd  
Mississauga, ON  
L4W 1X2

Tel 416/625-6070      Fax 416/625-3519

Contact: Mr Edmund Wong  
Vice President

#### **WATER & WASTEWATER**

*Activated Carbon Treatment Systems  
Aerators  
Clarifiers  
Filter Systems  
Filters  
Flocculators  
Flotation Systems  
Gas/Liquid/Solid Separation Equipment  
Groundwater Treatment  
Ion Exchangers  
Leachate Treatment  
Mixers  
Oil/Water Separators  
Package Treatment Systems  
Plating Waste Treatment  
Pulp & Paper Engineering/Technology  
Spill Clean-up Equipment  
Water Pollution Control  
Water/Wastewater Injection & Treatment Plants*

**Company/Product:** EIMCO Process Equipment is an equipment manufacturer supplying the pulp and paper, mining, industrial, and municipal markets. With a staff of 80 people including professional engineers in sales and senior management, EIMCO offers turnkey-supplied and

engineered systems. Branch offices are located in Vancouver, Calgary, and Montreal.

EIMCO offers solids-liquid separation equipment including clarifiers, filters, dewatering devices, aerobic and anaerobic treatment systems, and engineering services. Wastewater and raw water treatment, boiler feedwater systems, ion exchange and draft recausticizing (chemical recovery) are areas of EIMCO's expertise. Heavy duty, large scale installations requiring experienced engineering capabilities are also EIMCO's specialty.

**Current Activities** EIMCO is one of the largest suppliers of solids-liquid separation in Canada. This technology has been exported to Mexico, South America, China, Thailand, and Indonesia. The company is concentrating on the major expansions of the pulp and paper industry into South America and the Far East. EIMCO recently shipped 3600 cubic meters of equipment from Montreal to the Far East.

**Contact Sought** With its expertise in pulp and paper, chemical recovery and ion exchange, EIMCO is interested in contacts with end users. Large overseas contractors capable of putting together turnkey bids in which EIMCO supplies the equipment and engineering services are excellent potential partners. The company's long history of equipment supply and its experience in all forms of water and wastewater treatment allows it to satisfy its clients' requirements in these areas.

#### Elasto-Valve Rubber Products

1691 Pioneer Rd  
Sudbury, ON  
P3C 1B2

Tel 705/523-2026      Fax 705/523-2033

Contact *Mr Ian Watson*  
*President*

AIR POLLUTION CONTROL  
WATER & WASTEWATER

*Backflow Preventers*  
*Control Valves*  
*Pipes, Valves, Fittings*

**Company/Product** Elasto-Valve Rubber Products (EVR) was established in 1984 and in 1989 became a subsidiary of Devco Industries, a company listed on the Toronto Stock Exchange. EVR is located in Sudbury, Ontario where it has earned a reputation as a manufacturer of high quality Elastomeric piping products. The products made by Elasto-Valve include pinch valves, replacement sieves, expansion joints for piping, ducting systems, diaphragm seals for pressure instrumentation, and custom reinforced rubber fabrications. All manufacturing at EVR is quality controlled in accordance with CAN-Z.299.3 and ISO-9003.

**Current Activities** EVR currently sells its products through distributors and agents to all processing industries, including water and waste treatment, as well as pollution abatement

systems in mining, pulp & paper, and power generation. Sales activity is strongest in North America, with growing activity in the U.K., Australia, and South America. The company is greatly interested in pursuing additional business on a global scale.

**Contact Sought** EVR would like to develop contacts with sales agents and distributors specializing in process equipment and controls, piping products, or air and flue gas handling systems.

#### Elsag Bailey Inc.

860 Harrington Court  
Burlington, ON  
L7N 3N4

Tel 416/639-8840      Fax 416/639-8639

Contact *Mr Rick Tarbutt*  
*Manager - Marketing Services*

AIR POLLUTION CONTROL  
MONITORING  
WATER & WASTEWATER

*Analyzers (Gases)*  
*Energy Management Systems*  
*Flowmeters*  
*Instrumentation Systems*  
*Recorders*  
*SCADA Systems for Remote Monitoring & Control*

**Company/Product** Bailey Canada was established in 1919. Its main office is located in Burlington, Ontario with branches in Halifax, Fredericton, Montreal, Quebec City, Ottawa, Thunder Bay, Fort Francis, Toronto, Winnipeg, Regina, Saskatoon, Calgary, Edmonton, and Vancouver.

Bailey Canada supplies to the industrial marketplace. The firm's product scope covers everything from small metering systems to multi-million dollar computer control systems.

**Current Activities** Bailey Canada's actively markets its systems worldwide. Some of the firm's present clients include industries in the combustion, mining, pulp & paper, petro-chemical, utility, waste and water, food, and pharmaceutical sectors.

**Contact Sought** Bailey Canada would like to develop contacts with senior management and engineering personnel in the above market segments.

## **Emerson Electric Canada Ltd.**

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9999 Highway 48  
P.O. Box 150  
Markham, ON  
L3P 3J3

Tel: 416/475-4647      Fax: 416/475-4679

Contact: *Mr. Michael G. Snow*  
*Manager of Corporate Programs*

AIR POLLUTION CONTROL  
WATER & WASTEWATER

*Analyzers (Gases, Liquids)*

*Control Valves*

*Electric Motor Drive Systems*

*Flowmeters*

*Instrumentation Systems*

*Monitors (Air, Gases)*

*Pipes, Valves, Fittings*

*Pump Parts*

*Sensors*

*Valves, Air*

**Company/Product:** Emerson is a Canadian manufacturer of a wide range of electrical, electronic, and mechanical products for the resource and process industry markets. The company was founded in 1957 as a manufacturer of heating controls. Over the past 35 years, Emerson has expanded to include 20 Canadian divisions with sales in 1992 of 350 million dollars. Today, the company has 10 manufacturing locations in Canada and over 2000 employees.

Emerson's Canadian manufacturing plants produce global products supported by world-class technology. Emerson's industrial products are engineered for superior performance under severe operating conditions in environmental applications. These products include: electrical hardware for hazardous and nonhazardous locations, solenoid valves, bearings, and power transmission components, control valves, process management information systems, process instrumentation, electric motors and drives, and specialized flow control valves. Emerson's commitment to total product quality is reflected in its marketplace leadership as an ISO 9000 supplier.

**Current Activities:** Emerson's broad range of products can meet the needs of a diverse and demanding customer base. Emerson Canada has traditionally focused on the Canadian marketplace and has over 3000 Canadian customers but is very interested in expanding beyond the Canadian border.

**Contact Sought:** With its export development thrust into the environmental sector, Emerson Canada would like to develop contacts with the following groups:

- Canadian consultants on foreign projects;
- Canadian environmental OEM's which are exporting;
- host government or investors requiring Canadian goods;

- projects sponsored by Canadian government agencies, e.g. CIDA; and,
- IFI funded projects, e.g. World Bank, Asian Development Bank.

## **Emery International Developments Ltd.**

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1 - 340 Ferrier St  
Markham, ON  
L3R 2Z5

Tel: 416/470-6066      Fax: 416/470-6505

Contact: *Mr. John Emery*  
*President*

RECYCLING

*Consulting Services (Management, Pulp & Paper)*  
*Data Acquisition/Processing*

*Financial Services*

*Recycling*

*Supervisory Control Systems*

**Company/Product:** Emery International Developments Ltd., a Markham, Ontario-based engineering firm, has an international reputation for its well-made, sophisticated machinery, designed to produce unique, "environmentally friendly" packaging products. The company was founded by Roy Emery, who, at 83 years old, is still active as chairman. Emery International is now run by Roy's son John, the company's president and chief executive officer, who is a knowledgeable and effective engineer in the pulp moulding industry.

The firm is benefitting from the move away from styrofoam packaging in North America to its gradual replacement by recycled fibre packaging. Emery has patented and is presently designing new equipment that will provide a wider variety of moulded pulp products with a very high finish at previously unattainable production speed. It will be virtually pollution-free, as is all existing Emery equipment. And new waste materials such as wax-coated paperboard and the sludge waste from paper mills, currently unusable as raw materials for the paper industry, are now being developed as a whole new basis for enlarging and widening the scope of the pulp moulding industry.

**Current Activities:** In the United States, Emery has had many contracts over the long term including sites at Michigan, South Carolina, Arizona, and Illinois. Overseas, Emery has established business links with the following countries: Chile, Cuba, Denmark, Finland, Greece, Japan, Lebanon, Mexico, New Zealand, Norway, Saudi Arabia, Sweden, and Syria.

## **Enervac Corporation**

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700 Franklin Blvd  
Cambridge, ON  
N1R 5S9

Tel: 519/623-9890      Fax: 519/623-8250

Contact: Dr. Jorma Braks  
*Manager, Technology*

OIL SPILL  
RECYCLING  
WATER & WASTEWATER

*Audits/Assessments  
Centrifuges  
Dryers  
Filter Systems  
Filters  
Oil Skimmers  
Oil/Water Separators  
PCB Treatment/Disposal  
Package Treatment Systems  
Recycling (Lube Oil, Wood Chips, Wood Waste)  
Reverse Osmosis Ultrafiltration  
Separators  
Spill Clean-up Equipment  
Vacuum Cleaning  
Water Pollution Control  
Water Purifiers*

**Company/Product:** Established in 1978, Enervac Corporation is a designer and manufacturer of waste minimization equipment. The firm is a recognized contributor to recycling and reconditioning of transformer oils, seal oils, and other oil-based products. A mobile PCB destruction system is also available and is marketed worldwide. Enervac acquired 4-R Technologies in 1992, a company also specializing in waste minimization. Today, Enervac is committed to assisting industry to conserve resources through recycling and reusing of various industrial fluids.

Enervac's oil related technology is based on vacuum stripping of various "oils" and on physical techniques which separate solids from liquids or liquids from liquids. Some of the other systems use membrane technology such as ultrafiltration for recycling or waste treatment and reverse osmosis for water purification. In addition, the company supplies turnkey systems.

**Current Activities** Enervac Corporation sells most of its products and services in Canada and the United States, however it also exports to such markets as Korea, India, and New Zealand.

## **Engine Control Systems Ltd.**

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165 Pony Dr  
Newmarket, ON  
L3Y 7V1

Tel: 416/853-5500      Fax: 416/853-5801

Contact: Mr. Robert Fraser  
*President*

AIR POLLUTION CONTROL

*Air Pollution Control  
Catalysts  
Converters  
Filter Systems  
Filters  
Scrubbers*

**Company/Product:** Engine Control Systems Ltd. designs, manufactures, and supplies engine emission control products throughout the world. Founded in January 1980, the 100% Canadian-run company manufactures catalytic purifiers, soot filters, silencers, and other devices used on city buses, diesel mining vehicles, forklift trucks, stationary engines, and other machinery where operators are exposed to toxic emissions.

The company developed the CATTRAP soot filter, which removes over 90% of the soot and almost all carcinogens from the exhaust of diesel engines. For contributing to a direct and measurable benefit to the environment, ECS was awarded the Gold Trophy in the 1990 Canada Awards for Business Excellence, Environment Category.

ECS is preparing to meet the Clean Air Act by offering catalytic purifiers and particulate filters. The company offers a low cost, simple particulate filtration system which has been shown to self-regenerate even on low duty, inner city cycles.

**Current Activities** ECS currently exports 70% of its product throughout the world. Sales are made generally through a dealer/distributor network. The company also has a regional subsidiary company in the United Kingdom and sales office in South America.

ECS is the exclusive and recommended supplier to most of the major manufacturers of mining and material handling equipment throughout the world.

**Contact Sought** ECS emphasizes the international scope of its business and is interested in pursuing and developing its product sales on a worldwide basis. Information regarding the potential interest and marketability of various countries for product sales in the emission control field would be of value.

## **Engineering Dynamics Ltd.**

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Highway 15, Rural No. 1  
Carleton Place, ON  
K7C 3P1

Tel: 613/257-5450      Fax: 613/257-7397

Contact: *Mr. W.E. Pick*  
*President*

### AIR POLLUTION CONTROL

*Filter Systems*  
*Filters*

**Company/Product:** Engineering Dynamics Ltd. was established in 1982 to manufacture state-of-the-art electronic air filtration equipment for residential, commercial, and light industrial applications.

As a result of a corporate commitment to ongoing research and development, Engineering Dynamics Ltd. has introduced an innovation in microbial control. Using a scanning ultraviolet light in combination with its filter technology, Engineering Dynamics Ltd.'s new 'Germicidal' filter will capture and destroy bacteria, mold spores and viruses. The product has applications in many areas, including medical and veterinary facilities, schools, laboratories, and the food industry.

**Current Activities:** Engineering Dynamics Ltd. has established an international sales network and now markets its products in the United States, Japan, Europe, Asia, and the Middle East.

**Contact Sought:** Engineering Dynamics Ltd. seeks individuals or organizations selling to the indoor air quality market.

## **Envirodata Ltd.**

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3486 Hannibal Rd.  
Burlington, ON  
L7M 1Z6

Tel: 416/335-8478      Fax: 416/336-1232

Contact: *Dr. E. Ongley*  
*President*

### WATER & WASTEWATER

*Centrifuges*  
*Water Pollution Control*

**Company/Product:** Established in 1981, Envirodata Limited manufactures water and sediment sampling equipment based upon Canadian and U.S. patents. Using its patents and world-wide experience, Envirodata has formed a partnership with Alfa Laval Sweden and its Canadian subsidiary to produce SEDISAMP, a light-weight, portable, centrifugal clarifier system. Envirodata has worldwide rights to this technology. The SEDISAMP System is widely used in Canada and the United States by regulatory and research

agencies for contaminant monitoring, studies for chemical diffusion in rivers, suspended sediment bioassay, and in chemical regulatory schemes.

The SEDISAMP System is the only portable centrifugal clarifier on the market. It permits quantitative capture of suspended solids in rivers and lakes which greatly reduces the toxicity of river and lake chemistry. Envirodata also offers consultation on contaminant monitoring technologies and on water quality monitoring strategies.

## **Envirogard Products Ltd.**

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P.O. Box 64  
301 Major MacKenzie Dr. E  
Richmond Hill, ON  
L4C 4X9

Tel: 416/884-9388      Fax: 416/884-3532

Contact: *Mr. Scott MacDonald*  
*Vice President and G.M.*

### WATER & WASTEWATER

*Filters*  
*Water Purifiers*

**Company/Product:** Incorporated in 1970, Envirogard Products Limited is located in Richmond Hill, Ontario. The company incorporates several proprietary processes in the manufacture of its products and pays strict attention to quality and customer service.

Envirogard manufactures a complete line of domestic water filters and purifiers for in-home removal of bacteria, cysts and protozoa, rust, sediment, taste and odour, colour, chlorine and a variety of organic contaminants. These water filters employ disposable cartridges while the purifiers employ cleanable, reusable ceramic cartridges. Product advantages include simplified installation and cartridge changes, no spills or sprays, and long cartridge service cycles.

**Current Activities:** Marketing is currently focused in the North American hardware and plumbing markets with exports going to Europe and the Middle East.

**Contact Sought:** Envirogard seeks to develop distribution in Central and South American countries, the African continent, and Asia. Companies with established distribution in the local hardware/plumbing markets are preferred.

## **Enviromega Ltd.**

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7 Innovation Drive  
Hamilton, Ontario  
L9J 1K3

Tel: 905/689-4410      Fax: 905/689-7040

Contact: *John Bell, President*

**WATER & WASTEWATER  
MONITORING  
HAZARDOUS WASTE**

**Consulting Services (Engineering)  
Computer Management Systems/Software**

**Company/Product:** Enviromega provides environmental engineering services in the areas of toxics management and control and wastewater treatment process optimization. Computer software has been developed for modelling the fate of toxic contaminants in wastewater systems. Enviromega carries out toxics emissions inventories and assists clients with control of toxics discharges. Engineering studies are undertaken to optimize the operation of industrial and municipal wastewater treatment plants.

## **EnviroMetal Technologies Inc.**

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42 Arrow Rd.  
Guelph, ON  
N1K 1S6

Tel: 519/824-0432      Fax: 519/763-2378

Contact: *Mr. John Quayle  
Operations Manager*

**WATER & WASTEWATER**

**Decontamination Systems  
Engineering & Construction  
Groundwater Treatment  
Leachate Treatment  
Research Services  
Wastewater Treatment Services**

**Company/Product:** EnviroMetal Technologies Inc. is a Canadian owned company established in 1993. It is committed to providing its clients with cost effective, non-invasive solutions for the remediation of water contaminated with halogenated organic compounds, using the "envirometal" process developed at the Waterloo Centre for Groundwater Research. The University of Waterloo, as a partner in EnviroMetal Technologies, and through the Waterloo Centre for Groundwater Research, will be developing application enhancements. EnviroMetal's team of associates and technical advisors has specialized in the study of the vadose and groundwater zone behaviour of halogenated VOC's, and their remediation.

EnviroMetal Technologies Inc., in conjunction with the Waterloo Centre for Groundwater Research, conducts laboratory tests at the University of Waterloo which indicate that various metallic materials decrease the

observed concentrations of halogenated methanes, ethanes and ethenes. The envirometal process uses a metal formulation to detoxify dissolved halogenated organic compounds by inducing conditions that cause substitution of halogen atoms by hydrogen atoms. The end products of the process are completely dehalogenated and therefore non-toxic.

**Current Activities:** EnviroMetal Technologies is currently involved in demonstration and field trials at various sites throughout North America.

**Contact Sought:** By mid 1994 EnviroMetal expects to be involved in 20 sites through local environmental consultants. Also in mid 1994, the firm wishes to be involved in demonstration and field trials in Europe and by mid 1995 in the Pacific Rim. EnviroMetal would like to develop contacts with senior individuals in the public and private sector who are responsible for groundwater remediation and who are interested in applying new technologies. The firm would also like to identify potential licensees who have the capability and interest to market the technology in Europe and the Pacific rim.

## **Environmental Technologies International Inc.**

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202 - 190 Attwell Drive  
Etobicoke, ON  
M9W 6H8

Tel: 416/674-0573      Fax: 416/674-1765

Contact *Mr. James Higgins  
President*

**AIR POLLUTION CONTROL  
OIL SPILL  
RECYCLING  
SOLID WASTE  
WATER & WASTEWATER**

**Absorbents  
Blowers  
Booms, Spill Control  
CFC Reclaimers  
Composting  
Emergency Response Equipment  
Energy Management Systems  
Energy Recovery  
Incinerators (Liquids, Waste)  
Oil Skimmers  
Pumps, Solar Operated  
SCADA Systems for Remote Monitoring & Control  
Solar Photovoltaic Power Systems  
Spill Clean-up Equipment  
Spill Containment  
Water Pollution Control**

**Company/Product:** Environmental Technologies International Inc., established in 1988, is a Canadian environmental company engaged, through its subsidiaries, in supplying technologies, equipment, and products to municipal and industrial customers in the environmental protection and pollution control fields. The company's

goal is to manage and develop a group of profitable subsidiaries promoting activities which contribute positively to the preservation of the environment.

Environmental Technologies' extensive list of subsidiaries include Hankin Environmental Systems Inc., Anvic International Inc., Kenox Corporation, CFC-Tek Inc., Spill Tech Industries Inc., Ergo Solar Pumps Inc., and Enertec Blowers Inc. Among other disciplines, these subsidiaries and their parent companies have expertise in sewage sludge combustion systems, the design, manufacture, and sale of electronic motor control equipment and systems, the custom design of control systems for entire plant operations for potable water and wastewater treatment plants, and the removal and recycling of CFC's.

**Current Activities:** Environmental Technologies operates through six subsidiaries in two distinct groups in the United States and Canada.

**Contact Sought:** Environmental Technologies' management works with its operating subsidiaries to expand its existing product base as well as to establish new markets and applications. The company is interested in expanding its market to both Western and Eastern Europe, the Middle East, the Far East, South America, and Australia. Furthermore, the company is interested in acquisitions which operate in the environmental protection and pollution control fields (focusing on equipment and proven technology), which use innovative technology, and have excellent growth potential. Environmental Technologies is not interested in companies which operate in areas involving the transport or handling of hazardous or toxic materials or the operation of waste treatment facilities.

#### **Environment Protection Laboratories Inc.**

6850 Goreway Dr.  
Mississauga, ON  
L4V 1P1

Tel: 416/673-3255      Fax: 416/673-7399

Contact: *Mr. Douglas Langley*  
*President*

#### **MONITORING**

*Alternative Fuel Systems*  
*Audits/Assessments*  
*Chemicals, Environmentally Safe*  
*Laboratories, Testing/Mobile & Fixed*  
*Remediation Services*  
*Testing of Toxic Substances/Aquatic Setting*

**Company/Product:** Environment Protection Laboratories (EPL) is a wholly Canadian-owned company specializing in environmental analysis. Since its inception in 1988, the company has participated in thousands of projects across Canada. EPL's clients include environmental and engineering consultants, private sector companies, regulatory and other government agencies, and various public and Native American organizations. The firm is

growing rapidly and currently employs more than 40 permanent staff in Ontario.

EPL is specifically dedicated to environmental analysis. The complete range of environmental testing services is offered, including organic chemicals, inorganic parameters, metals, and microbiological testing. Environmental chemical analysis has complicated technical requirements due to the number and the nature of environmental regulation, and due to the complexities of environmental pollution itself. EPL provides a very wide range of preparation techniques, extensive and expensive analytical instrumentation, and a great depth of professional expertise. As examples of the company's industry leadership, EPL introduced client-specific QA/QC Reports as a standard part of its report of analysis.

#### **EOD Ground Technology Inc.**

Brockchem Rd  
P.O. Box 681  
Maitland, ON  
K0E 1P0

Tel: 613/348-3263      Fax 613/348-3043

Contact *Mr. David Fowler*  
*Project Engineer*

**HAZARDOUS WASTE**  
SITE RECLAMATION  
SOLID WASTE

*Bacterial Cultures*  
*Biological Wastewater Nutrient Treatment*  
*Chemicals, Treatment*  
*Clean-up Services*  
*Composting*  
*Decontamination Systems*  
*Detectors*  
*Disposal Services*  
*Geophysical Services*  
*Geophysical Equipment*  
*Groundwater Treatment*  
*Hazardous Material Management/Services*  
*High-Tech Surveying & Integrated Systems*  
*Inspection (Materials, Soil)*  
*Leachate Treatment*  
*Multi-Disciplinary Services*  
*Project Management Services*  
*Remediation Services*  
*Research Services*  
*Site Clean-up Management*  
*Site Inspection*  
*Soil Treatment/Reclamation*  
*Training Programs/Films/Books*

**Company/Product:** EOD Ground Technology Inc. (EODGT) is a new Canadian environmental clean-up company. The company was formed as a joint venture between a Canadian chemical producer and an international explosive ordnance disposal (EOD) company. One of EODGT's associate companies is presently conducting services similar to that of EODGT throughout the U.S.

with sales in excess of \$5 million. By agreements made through these associations, EODGT possesses the capability to provide proven management personnel, specialized techniques, support staff, technicians, and equipment necessary to conduct its services worldwide.

EODGT personnel have several years experience in determining contamination levels, remedial alternatives, and conducting decontamination operations. Most of the personnel have gained their experience as military personnel assigned EOD and related duties in Canada, the U.S., Europe, the Caribbean, and throughout the Far East, both in peacetime and combat situations.

**Current Activities:** The services which EOD Ground Technology offers are presently being marketed throughout Canada and around the world. Because EODGT is a new company it uses its associate American company's expertise to insure a high standard of quality control. The company avidly researches and assists the development of new technologies and possesses patent rights through licenses for certain unique technologies.

**Contact Sought:** EOD Ground Technology seeks international opportunities in countries which require demining operations, explosive and explosive waste disposal, or other decontamination activities. It would like to develop contacts with senior individuals in the public and private sector who are responsible for environmental assessments and clean-up projects. EODGT would also like to identify property owners who presently have a problem with hazardous chemicals or explosives.

#### **Exploranium G.S. Ltd.**

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55 Healey Rd.  
Bolton, ON  
L7E 5A2

Tel: 416/857-3670      Fax: 416/857-3679

Contact: Mr. John Cox  
President

#### **MONITORING**

*Aerial Mapping*  
*Radiation Spectrometers*  
*Radioactive Material Detection*  
*Equipment*

**Company/Product:** Exploranium G.S. Ltd. designs and manufactures radiation detection and monitoring devices for environmental, industrial, and geophysical applications. Founded in 1968, the company is a leader in the field of low level radiation measurement. Production facilities are located in Bolton, Ontario, 15 kilometres north of Toronto.

Exploranium's line of industrial radiation monitors is designed to detect radioactive materials that have been inadvertently buried in loads of scrap steel or industrial refuse. Over 130 industrial detectors have been installed in

steel plants and scrap metal facilities in North America and Europe, making Exploranium's systems widely respected.

Exploranium's airborne radiation spectrometer is internationally recognized as a state-of-the-art spectrometer for environmental and geophysical radiation surveying. In addition, the company produces portable radiation spectrometers for geophysical field work and portable, high sensitivity, scintillometers and magnetic susceptibility meters.

**Current Activities:** Exploranium's geophysical products are represented in virtually every country in the world through an international network of agents. Industrial radiation detectors are marketed in North America through company sales offices in the United States and Canada and through agents in the United Kingdom and Germany. Over eighty-percent of Exploranium's production is exported.

**Contact Sought:** Exploranium wishes to enter into agency agreements with distributors for its industrial radiation detection systems in Europe and Asia. The company is also interested in further developing the environmental markets for its radiation detection products.

#### **Fischer and Porter Canada Ltd.**

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134 Norfinch Dr  
Toronto, ON  
M3N 1X7

Tel: 416/667-9803      Fax: 416/667-8469

Contact: Mr. Larry McLean  
V.P., Sales and Engineering

#### **WATER & WASTEWATER**

*Chemical Feeders*  
*Data Acquisition/Processing*  
*Flowmeters*  
*Instrumentation Systems*  
*Meters*  
*Modular Electronic Equipment*  
*Package Treatment Systems*  
*Recorders*  
*Telemetry*  
*Ultraviolet Light Disinfection Systems*

**Company/Product:** Fischer & Porter (Canada) Ltd. has been in operation for 50 years and is a manufacturer of process control and disinfection products and systems. The company has established sales and service locations across Canada as well as a network of full-line product distributors. Fisher & Porter's head office is located in Toronto along with its manufacturing facility of 80,000 square feet including research and development, production engineering, systems engineering, sales, marketing, and related administrative services. Fisher & Porter (Canada) Ltd. is committed to providing quality-built products and services including factory repairs, field services, training, and application expertise. Its flow calibration facility in Toronto is capable of handling flowmeters from 1/10 inch through to 24 inches.

Fischer & Porter manufactures a complete line of process control instrumentation that includes flow, control, and disinfection products. Its scope of supply also includes distributed control systems and application specific software packages that run under DOS or UNIX-based workstations. The company is a leader in the field of magnetic flowmeters which are extensively used in all industries and municipal water and wastewater applications. Furthermore, its line of ultraviolet disinfection systems is sold throughout North America, Europe, and Asia.

**Current Activities:** Fischer & Porter (Canada) Ltd. provides process control instrumentation to industrial and municipal industries throughout Canada. Its ultraviolet disinfection systems are exported to the United States, Mexico, England, France, Australia, and Japan. This application is primarily targeted to wastewater treatment plants.

**Contact Sought:** Fischer & Porter (Canada) Ltd. would like to develop contacts with senior individuals with the environmental branches of provincial and federal governments, and with engineering consultants responsible for the design and application of process control instrumentation and disinfection systems for water and wastewater treatment plants.

#### **Fisher Controls Inc.**

Dundas St.  
P.O. Box 578  
Woodstock, ON  
N4S 7Z6

Tel: 519/421-5500      Fax: 519/537-2479

**Contact:** Mr. George Schieven  
*Controller*

#### AIR POLLUTION CONTROL

##### *Control Valves*

**Company/Product:** Fisher Controls Inc., a company which presently employs 213 people, provides control valves to its clients on both a national and international scale. Fisher's control valves are used primarily in throttling applications where precise control of flow is required. Fisher's valves are easily identified by their 'green' tops (actuators).

**Current Activities:** Fisher Control's customers are in the process industries such as oil and gas, pulp and paper, power, and chemical applications. The majority of Fisher's control valves go to destinations in North America, but the company also serve clients all over the world.

#### **Five Seasons Comfort Ltd.**

351 North Rivermede Rd.  
Concord, ON  
L4K 3N2

Tel. 416/669-5620      Fax 416/669-5356

**Contact:** Ms. Caroline MacDonald  
*Export Manager*

#### AIR POLLUTION CONTROL

*Air Filters, Bags, Boosters  
Air Pollution Control  
Air Quality Systems  
Filter Systems  
Filters  
Negative Ionizers*

**Company/Product:** Five Seasons Comfort Limited, along with its affiliate company, Electro-Air Canada Limited, have been manufacturing air purification systems since 1962. Today, both companies operate under one roof in a modern 70,000 square foot plant in the Toronto area.

The company currently produces a complete line of electronic air cleaners:

- portable air cleaners/ionizers for domestic and commercial use;
- duct-mounted air cleaners for forced-air ventilation systems;
- commercial ceiling-mounted air cleaners for bars, restaurants, recreation halls, offices, computer rooms, and smoking lounges; and,
- industrial duct-mounted, self-contained, and mobile air cleaners.

All of Five Seasons products are built with the highest quality in design and workmanship, and are durable, efficient, effective, economical, and environmentally-friendly.

**Current Activities:** Five Seasons' exports to the U.S.A. are handled through a marketing office and central distribution warehouse in Springfield, Illinois. Overseas exports are primarily to France, Belgium, the Netherlands, Germany, Greece, Spain, Turkey, Korea, Taiwan, Iran, Jordan and Thailand.

**Contact Sought:** Five Seasons would like to expand its distribution across the U.S.A. Enquiries are welcomed from agents/distributors in Europe, the Middle East and the Pacific Rim.

## G.E.T. Industries Inc.

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P O. Box 640  
Brampton, ON  
L6V 2L6

Tel: 416/451-9900      Fax: 416/451-5376

Contact: *Mr. David Martin*  
*President*

WATER & WASTEWATER

*Comminutors*

**Company/Product:** G.E.T. Industries Inc., incorporated in 1975, currently manufactures a broad range of comminution equipment utilized in the shredding and screening of domestic wastewater. These water pollution control devices are used throughout the world to shred sewage solids without removal from the liquid.

Applications include sewage treatment plants, sea outfalls, package sewage treatment plants, pumping stations, and industrial discharges. These comminutors function automatically and continuously (24 hours per day) in most plants. Typically, two units are installed; While one is in operation, the other one is used as a standby with a bar screen providing a by-pass option. Grit removal facilities or grit traps upstream from comminution equipment lengthens operating life and reduces maintenance costs. The "rotation" feature enables stationary cutting bars to be reversed rather than replaced with a new cutting bar. Thus, spare cutting bars are "built in" as standard equipment. All these features and more give the G.E.T. comminutors an exceptional service record, reduce shutdown frequency, and lower maintenance requirements.

## Gartner Lee Ltd.

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102 - 140 Renfrew Dr  
Markham, ON  
L3R 8B6

Tel: 416/477-8400      Fax: 416/477-1456

Contact: *Mr. Paul Manley*  
*Senior Consultant*

HAZARDOUS WASTE  
MONITORING  
OIL SPILL  
RECYCLING  
RESOURCE MANAGEMENT  
SITE RECLAMATION  
SOLID WASTE

*Audits/Assessments*  
*Central Composting Systems*

*Composting*

*Consulting Services (Acid Rock Drainage, Management)*

*Emergency Response Services*

*Engineering & Construction*

*Geographic Information Systems Software*

*Geophysical Services*

*Geotechnical Studies*

*Groundwater Exploration & Development*

*Groundwater Monitors*  
*Groundwater Treatment*  
*Hydrogeological Instrumentation*  
*Hydrogeological Surveys*

*Leachate Treatment*

*Liners (Landfills, Ponds, Pits)*

*Meters*

*Multi-Disciplinary Services*

*Pollution Abatement Services*

*Project Management Services*

*Remediation Services*

*Site Clean-up Management*

*Site Inspection*

*Solid Waste Treatment Services*

*Testing of Toxic Substances/Aquatic Setting*

*Waste Encapsulation*

*Waste Transfer*

**Company/Product:** Since its founding in 1973, Gartner Lee has been a leader in the field of environmental consulting to private and public sector clients both on a national and international scale. The company is Canadian owned and managed by its staff and has office locations in Toronto, Ontario; Vancouver, British Columbia; and Niagara Falls, New York. The Gartner Lee group of companies include: Environmental Strategies Limited, Gartner Lee Inc., and Gartner Lee International Inc..

The company's team of more than 100 skilled professionals includes scientists, engineers, and planners from across the spectrum of environmental disciplines. Key areas of specialization include: environmental planning, ecological science, geoscience, and engineering. Integrating scientific analysis with engineering, Gartner Lee's team of experts deliver timely, practical, and cost-conscious solutions. The company forges partnerships with clients of all types and sizes, tackling hundreds of projects a year with budgets from several thousand to millions of dollars. Specialized services include: waste management, environmental impact assessment, site assessment, contaminated site remediation, and integrated watershed management.

**Current Activities:** Gartner Lee has successfully completed over 3000 projects throughout Canada, the United States, Central America, Europe, Southeast Asia, and the Middle East. Among the clients served are federal, provincial, and municipal governments, major developers, and industry leaders in manufacturing.

**Contact Sought:** Gartner Lee seeks to establish a working relationship with reputable local consultants who have a need for advanced environmental services and who have good political and private sector connections as well as marketing capabilities.

## Gensco Equipment (1990) Inc.

53 Carlaw Ave.  
Toronto, ON  
M4M 2R6

Tel: 416/465-7521      Fax: 416/465-4489

Contact: Mr. David Zelunka  
General Manager

### RECYCLING SOLID WASTE

*Boilers  
Cable Processing Equipment  
Crushers  
Handling Equipment  
Magnets for Scrap Handling  
Recycling (Lube Oil)  
Shredders/Crushers  
Waste Transfer*

**Company/Product:** Gensco has been part of the Canadian scrap and recycling industry since 1919, supplying a full range of products and services to users throughout Canada and other areas of the world. A full manufacturing facility with parts and service capability is maintained in Toronto. Gensco America, Inc. located in Lithonia (Atlanta) Georgia, USA has been in operation since 1987 offering a sales and warehouse facility for the Southern United States, Mexico, and Central and South America. After three generations of the same family ownership, Gensco has earned a reputation for quality and reliability. The company is committed to providing only the highest quality of proven equipment for scrap handling, processing, and recycling with full product support and back-up.

Gensco offers a diverse product range centred around the handling and processing of almost all scrap and waste materials. From grapples for handling solid waste and garbage through to electric scrap magnets for steel, both new and used equipment is available in a wide range of sizes and styles. Processing equipment includes shears and cable processing equipment includes cutters and cable strippers, shredders, and balers. Whether the material is paper, corrugated, plastics, metals or steel, Gensco has the experience and knowledge to understand the application and recommend suitable equipment for the job.

**Current Activities:** Gensco products can be found at scrap processing yards and recycling centres, mills, and foundries throughout North America and other areas around the world. In addition, numerous companies which are involved in the generation of scrap material during the course of their own operations require and make use of this specialized equipment to efficiently handle and process their recyclable and waste materials. Municipal and local governments, with the responsibility of collecting, handling, and processing solid waste also are users of this equipment. Gensco advertises extensively in trade publications catering to these industry groups as well as attending numerous trade shows, etc.

**Contact Sought:** Gensco wishes to develop further contacts with potential users of its equipment in both private industry and the public sector. Furthermore, the company is always interested in meeting with and discussing potential arrangements with agents, dealers, and distributors in other areas of the world. Finally, Gensco is open to suggestions and actively seeks new products and technologies that would be of interest to its customers.

## Georgian College of Applied Arts & Technology

One Georgian Drive  
Barrie, ON  
L4M 3X9

Tel: 705/728-1951      Fax: 705/722-5123

Contact: Ms. Angela Shama  
Chair

### RESOURCE MANAGEMENT WATER & WASTEWATER

#### Training Programs/Films/Books

**Company/Product:** Georgian College of Applied Arts & Technology offers a program designed specifically for the growing demand for expertise in the environmental engineering field. Graduates of the Environmental Engineering Technology co-op program will have strong theoretical knowledge in the areas of water treatment technologies. This is supplemented by solid basic training in the civil technology field and by practical experience gained in the work term.

Upon completion of the course, graduates are able to perform standard survey work and associated calculations, interpret and produce engineering drawings using CAD, perform standard soil classification tests, assist with impact and assessment studies, interpret air photographs for use in soil, drainage, and land use studies, perform standard tests and analyses for water quality, and understand basic chemical analyses of organic materials.

## GeoVision Systems Inc.

200 - 1600 Carling Ave.  
Ottawa, ON  
K1Z 8R7

Tel: 613/722-9518      Fax: 613/722-5385

Contact: Ms. Darleen Finnimore  
Coordinator, Management & Finance

### RESOURCE MANAGEMENT

#### Geographic Information Systems Software Information Management Systems

**Company/Product:** GeoVision, one of the leaders in the geographic information systems (GIS) industry, is committed to the development, sale and support of enterprise-wide GIS solutions throughout the world. GeoVision's GIS is one of the most powerful in the

industry, and can be used to manage utility transport networks, to facilitate the management of outside plant and other utility operations, to solve the planning and information management challenges of all levels of government, and to manage resources for entire countries.

GeoVision is introducing the 'VISION' family of modular software products. VISION introduces major advances in GIS database management, open systems architecture, and support for the next generation of network computing and location transparency. With VISION, organizations can generate maximum leverage from their information technology investment because GeoVision's GIS solution provides rapid start-up and continued long term payback from GIS system investment.

#### **Glegg Water Conditioning Inc.**

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29 Royal Rd.  
Guelph, ON  
N1H 1G2

Tel: 519/836-0500      Fax: 519/837-3067

Contact: *Mr. Tom Matulis*  
*Marketing Manager*

#### **WATER & WASTEWATER**

*Reverse Osmosis Ultrafiltration  
Water Purifiers*

**Company/Product:** Glegg Water Conditioning Inc. is one of the leading North American manufacturers of superior quality water conditioning systems for industrial and high purity customers. Glegg offers large, custom-engineered systems as well as a complete line of reference design equipment.

The firm's total product line consists of filters, softeners, de-alkalizers, demineralizers, decarbonators, reverse osmosis units, ultrafiltration equipment, condensate polishers, neutralization systems, chemical injection stations, and related water treatment equipment.

The flow rates handled range from 50 gallons per minute in some cases, to in excess of 3,000 gallons per minute in others. Both custom design and reference design products are based on conservative engineering, maintained delivery commitments, and a competitive selling price.

**Current Activities:** Glegg Water Conditioning Inc. is a multi million dollar company that has exported to the United States, Europe, South America, and other nations.

**Contact Sought:** Desirable contacts for Glegg Water Conditioning Inc. are those in market sectors such as the electronics, petrochemical, pharmaceutical, pulp and paper, refinery, automotive, chemical, waste, and energy industries and utility clients. Glegg Water Conditioning Inc. is interested in pursuing and developing sales worldwide with Europe (the UK, Germany, Italy and France) and the Pacific Rim identified as priority markets. Advice

regarding manufacturer's agents in those markets would be appreciated.

The company would also entertain licensing arrangements with overseas companies seeking to broaden their product line. The company would like to participate in one European and one Asian trade show and would subsequently appreciate suggestions from Trade Commissioners on upcoming shows.

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#### **Global Sensor Systems Inc.**

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400 Brunel Rd.  
Mississauga, ON  
L4Z 2C2

Tel. 416/507-0007      Fax. 416/507-4177

Contact: *Mr. Ray H. Glenn*  
*General Manager*

**HAZARDOUS WASTE  
RECYCLING  
SOLID WASTE**

#### **Sensors**

**Company/Product:** Global Sensor Systems was created 15 years ago. At that time the founders of the company developed the Global Search-Eye Sensor System and introduced a new concept in safety. From time to time since its inception, modifications and improvements have been made which have strengthened Global's state-of-the-art competitive position. Using modulated infrared sensors, the company can virtually eliminate backing accidents.

Today there are thousands of Global's systems preventing automobile accidents and, in the process, saving countless lives. Global also produces a sensor which, when placed on the back end of garbage packing vehicles, acts as a pinch point guard.

**Current Activities:** Global Sensor Systems operate in most major cities and municipalities in both the United States and Canada.

**Contact Sought:** Global Sensor Systems Inc., is extremely interested in any opportunities worldwide and is prepared to take the necessary steps to overcome language barriers.

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#### **Glos Engineering Ltd.**

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3155 Huron Church Rd.  
Windsor, ON  
N9E 4H6

Tel. 519/966-6750      Fax: 519/966-6753

Contact: *Mr. Carl M. Glos*  
*President & Chief Engineer*

**AIR POLLUTION CONTROL  
MONITORING  
RECYCLING  
SITE RECLAMATION**

**SOLID WASTE  
WATER & WASTEWATER**

*Audits/Assessments  
Central Composting Systems  
Composting  
Composting Plants  
Consulting Services (Energy Planning, Engineering,  
Management)  
Engineering & Construction  
Pollution Abatement Services  
Power Supply Services  
Project Management Services  
Site Inspection  
Wastewater Treatment Services  
Water Pollution Control*

**Company/Product:** Glos Associates Limited was incorporated by Provincial Charter in 1966. The present operating company, Glos Engineering Ltd. was incorporated in 1980 to provide the engineering services within the firm. The company is Canadian-owned and its corporate offices are located in Windsor, Ontario.

Glos Engineering Ltd. is a full service consulting engineering company providing services to a variety of clients in the fields of civil, structural, mechanical, electrical, process, energy, and environmental engineering.

The firm's consulting engineering services in the environmental field are best suited to commercial and industrial clients in the following areas: automotive, machining, food processing, pulp and paper, pharmaceutical, and related industries. Glos Engineering Ltd.'s particular areas of specialization include: design and construction supervision of liquid waste treatment plants for removal of oils, fats, greases, suspended solids, BOD, and COD; design, construction, and operation of large commercial composting facilities for conversion of organic wastes into organic fertilizer/soil conditioners; design and construction of food processing plants.

**Current Activities:** Glos Engineering Ltd. has explored numerous export opportunities in Europe, Central America, North America, the Caribbean Islands, and the Middle East. Exploratory services have been provided to industrial co-operatives in France and Costa Rica. Most of the company's marketing activity has been concentrated in Canada and the United States.

**Contact Sought:** Glos Engineering Ltd. would like to develop contacts with senior individuals in the industrial sector who are responsible for engaging engineering services related to environmental engineering problems, particularly in the areas of oily wastewater treatment, suspended solids removal, composting, and solid waste management. Glos Engineering Ltd. would like to identify potential clients requiring these services in Europe, Great Britain, North America, and Central America.

**Goodfellow Consultants Inc.**

310 - 2000 Argentia Rd., Plaza III  
Mississauga, ON  
L5N 1V9  
Tel: 416/858-4424      Fax: 416/858-4426  
Contact Mr. Joseph M. Katrusiak  
Senior Consultant

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
MONITORING  
SOLID WASTE

*Audits/Assessments  
Consulting Services (Energy Planning, Engineering)  
Emergency Response Services  
Energy Management Systems  
Energy Recovery  
Engineering & Construction  
Hazardous Material Management/Services  
Hydraulic Modelling & Research  
Independent Inspection  
Pollution Abatement Services  
Project Management Services*

**Company/Product:** Goodfellow Consultants Inc. (GCI) was founded in 1986. Since that time the firm's staff has grown to include environmental and heating, ventilation, & air conditioning engineers, occupational hygienists, and microbiological and technical specialists.

GCI's expertise and engineering team initially centred around the field of contaminant control in the workplace. Both evolved quickly to encompass all aspects of air pollution and design of applicable controls. The team is currently involved in projects ranging from environmental audits to site decommissionings, hazardous waste to emergency response programs, and risk assessments to specialized and fume control design. GCI's engineers and designers carry projects from the conceptual stage, through preliminary engineering, to detailed engineering design and commissioning. These individuals study retrofit applications, new installations, and plan the corresponding solutions.

GCI departments are constantly being updated on current and proposed regulations in Canada and the United States. This pro-active approach in creating solutions allows clients to compete well in the future without fear of costly regulatory surprises.

In 1992, Industry, Science, and Technology Canada awarded GCI the coveted Canada Award for Business Excellence in the Environmental Category. GCI works for numerous legal firms in the United States and Canada providing expert advice in specialized fields of ventilation, contaminant control, occupational health and safety, and indoor air quality.

In the area of indoor air quality, GCI provides design consultation, conducts on-site investigations and sampling,

and completes the required laboratory analysis. All results are presented in a comprehensive report which includes interpretations, conclusions, and practical recommendations. The health and safety division at Goodfellow Consultants Inc. recognizes, evaluates, and controls a variety of physical, chemical, and biological hazards. GCI sees projects through from start to finish, providing expert help every step of the way.

**Current Activities:** GCI has offices in the United States and Hong Kong. Clients are located in the USA, Mexico, Brazil, Hong Kong, Taiwan, and Finland. The firm's specialization in the design of fume systems for electric arc furnaces has been successfully marketed internationally.

**Contact Sought:** Goodfellow Consultants Inc. is seeking strategic alliances with other consulting firms for technology integration. The firm's primary focus is on Mexico, Latin America, and the Far East countries.

#### Gore & Storrie Ltd.

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255 Consumers Rd  
North York, ON  
M2J 5B6

Tel: 416/499-9000      Fax: 416/499-4687

Contact: *Mr. Norman D. Huggins*  
*Executive Vice President*

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
MONITORING  
SOLID WASTE  
WATER & WASTEWATER

*Biological Wastewater Nutrient Treatment  
Consulting Services (Engineering, Pulp & Paper)  
Research Services  
Site Inspection  
Wastewater Treatment Services  
Water Pollution Control*

**Company/Product:** Gore & Storrie Limited has specialized exclusively in the environmental engineering field since it was founded in 1919. G&S has designed a substantial number of Canada's water treatment systems and sewerage schemes, including combined sewer overflow (CSO) abatement wastewater treatment plants. Many of these projects are in the Great Lakes region where the firm has achieved a reputation for cost-effectiveness and reliability. The firm has successfully completed major industrial pollution abatement, solid and hazardous wastes management, sludge incineration, and energy recovery projects.

In Canada and abroad, G&S is known for its innovative process and design capabilities for water, wastewater, and other environmental projects, and has won several national awards for its water and wastewater treatment facility designs. One such award was given for G&S's patented hybrid anaerobic (HYAN) treatment process. The HYAN

process treats high-strength industrial wastes while generating significant amounts of fuel gas.

G&S maintains a fully-integrated organization with dedicated staff. Its engineers and scientists have extensive experience in water resources, public health, environmental planning, chemical, and sanitary engineering.

To augment the firm's traditional design services, G&S continually develops and expands its process development and support services. The Research Centre, made up of the Water and Wastewater Treatability and Analytical Laboratories, is the key to process development activities. Structural, architectural, mechanical, electrical, instrumentation, and computerized process control engineering services are provided in-house for all projects.

**Two affiliated firms,** Parsons Brinckerhoff Gore & Storrie, Inc. (PBG&S) and Kerr Wood Leidal Gore & Storrie Inc. (KWLG&S), have recently been established to expand operations into the United States and British Columbia respectively.

**Current Activities:** Recent international assignments include industrial wastewater treatment design projects in the U.S.A., China, England, France, Belgium, Germany, and Holland, as well as municipal water and wastewater treatment design projects in the United States.

#### Grow-Rich Inc.

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8923 Chippawa Creek Rd  
Niagara Falls, ON  
L2E 6S5

Tel: 416/357-6421      Fax: 416/354-0035

Contact: *Mr. Ed J. Ciepiela*  
*Marketing Manager*

#### RECYCLING

*Bacterial Cultures  
Central Composting Systems  
Composting Plants  
Engineering & Construction  
Project Management Services  
Recycling (Wood Waste)  
Shredders/Crushers  
Sludge Handling/Treatment*

**Company/Product:** Since 1985, Grow-Rich has owned and operated a large organic waste composting facility which recycles principally dewatered paper mill sludges, fruit pomaces, food production, organic wastes, yard waste, manures, waste paper, wood fibres, sludges, etc., to produce a high quality organic compost marketed for use in the horticultural, agricultural, and land reclamation fields. The product is sold in bags and bulk. Grow-Rich is now one of the largest commercial composting operations in Canada.

Grow-Rich employs an in-house developed biological catalyst-biostarter to accelerate the rate of composting

organic wastes. The catalyst/biostarter is especially suitable for composting paper mill sludges and wood fibrous wastes, as well as any type of organic waste, including municipal sewage sludges and refuse.

The Grow-Rich process produces a compost product which meets all regulatory standards for a large variety of agricultural and horticultural applications.

**Current Activities:** Grow-Rich has successfully completed pilot demonstrations of its technology in various countries handling a diverse range of organic wastes such as fruit pomaces, sludges, coffee shells, sugar wastes, municipal refuse, etc. The company's compost product has been exported to areas in the Caribbean and the United States.

**Contact Sought:** This all-Canadian company is interested in developing contacts with senior individuals in the public or private sector who are interested and responsible in developing and constructing commercial compost recycling systems especially in the Caribbean, South America, Mexico, Eastern Europe, and Asia. The business arrangements could include joint ventures or a licensing of the technology. Full engineering, consulting, and construction expertise is available.

#### **GSW Pump Company**

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599 Hill St. W.  
Fergus, ON  
N1M 2X1

Tel: 519/843-1610      Fax: 519/843-7400

**Contact:** Mr. J.W. (Joe) Burns  
*Marketing Manager*

#### **WATER & WASTEWATER**

*Pumps*  
*Pump Parts*

**Company/Product:** GSW Pump Company, established in 1874 as the Beatty Brothers Company, originally supplied windmill pumps to the farm trade but has grown to supply all domestic pump requirements for home, farm, or cottage.

GSW Pump Company is the largest domestic pump manufacturer in Canada and is Canadian-owned and operated. In 1992, the company purchased a major pump manufacturer in the United States. The company manufactures a full range of submersible 4, 6, and 8 inch pumps from 1/3 HP to 100HP. GSW in Fergus manufactures jets, sump pumps in submersible and column type, and sewage and effluent pumps.

**Current Activities:** GSW currently has plants in Canada and in Conway, Arkansas. Furthermore, the company has contacts in Africa and has sold products in that region.

**Contact Sought:** GSW would like to develop contacts with senior individuals associated with major government organizations, as well as the United Nations and Unicef.

Finally, the company would be interested in joint ventures in Africa, Europe, India, and the Far East.

#### **H.Q.N. Industrial Fabrics Inc.**

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285 Tecumseh St  
Sarnia, ON  
N7T 2L1

Tel: 519/344-9050      Fax: 519/344-2500

**Contact:** Mr. Paul Hardy

**HAZARDOUS WASTE**  
**OIL SPILL**  
**SOLID WASTE**

*Booms, Spill Control*  
*Fabric Filters*  
*Liners (Landfills, Ponds, Pits)*  
*Spill Clean-up Equipment*  
*Waste Encapsulation*

**Company/Product:** H.Q.N. Industrial Fabrics Inc. was founded in February of 1987. It began as a small tarp manufacturer and has since grown to become a manufacturer and distributor of many industrial fabric products.

H.Q.N.'s extensive range of products can be divided into three basic groupings: liners, tarpaulins and covers, and other products and services. The liners are disposable woven coated polyethylene liner bags for lugger buckets and roll-off boxes. These liners provide added security and safety when transporting hazardous waste, soil, and sludge to landfill sites. Tarps and covers represent the second largest segment of H.Q.N.'s product line. H.Q.N. manufactures tarps and covers from three basic materials: vinyl, canvas, and polyethylene. H.Q.N. manufactures a variety of other custom products including: windsocks, industrial and protective aprons, high temperature blankets, sewer covers, and safety flags. Furthermore, the company offers a variety of customer services such as oil boom and tarp repairs and industrial filter rebuilds.

**Current Activities:** Presently, H.Q.N. presently sells its products and services throughout Canada and to the United States as far south as Ohio.

**Contact Sought:** H.Q.N. would like to expand its volume in the above-mentioned markets and also expand further south where it has potential customers. H.Q.N. has exhibited at trade shows with its southern neighbours and has experienced a good response from potential customers. The company is expanding its production facilities to accommodate new sales in these areas.

## H. Sutcliffe Ltd.

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29 Whitewood Ave.  
P.O. Box 1208  
New Liskeard, ON  
POJ 1P0

Tel: 705/647-4311      Fax: 705/647-3111

Contact: Mr. H. James Hawken  
Director

### RECYCLING SOLID WASTE WATER & WASTEWATER

*Aerial Photography/Mapping  
Audits/Assessments  
Consulting Services (Engineering)  
Engineering & Construction  
High-Tech Surveying & Integrated Systems  
Infrastructure Design  
Inspection (Materials, Soil)  
Laboratories, Testing/Mobile & Fixed  
Project Management Services  
Public Works Engineering  
Site Inspection  
Tanks, Treatment/Storage  
Wastewater Treatment Services*

Company/Product: H. Sutcliffe Ltd. is the product of a professional firm founded in New Liskeard, Ontario, in 1906 by the late Homer W. Sutcliffe. The company provides the integrated services of professional engineers and Ontario land surveyors, and has continuously done so for the past 87 years. H. Sutcliffe Ltd. has the distinction of being one of the ten most enduring consulting engineering companies in Canada. Presently, the Sutcliffe staff totals 45 engineers, surveyors, specialists, technical, and administrative staff.

H. Sutcliffe Ltd. offers the combined resources and expertise of consulting engineers & land surveyors. Services include project management and administration, site investigations and reports, feasibility studies, legal survey framework and control, digital base mapping, pre-engineering fieldwork, engineering design, contract drawings and specifications, construction inspection and administration, and environmental designs.

## Halozone Recycling Inc.

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4000 Nashua Dr.,  
Mississauga ON  
L4V 1P8

Tel: 905/405-8200      Fax: 905/405-8333

Contact: Dusanka Filipovic, P.Eng.,  
President/CEO

### AIR POLLUTION CONTROL HAZARDOUS WASTE RECYCLING

Scientific/Technical Services

## Waste Handling Facility Management

Company/Product: The Blue Bottle Technology is used to capture concentrated or diluted ozone depleting refrigerant emissions from residential and commercial refrigeration and air conditioning systems, centrifugal chillers in high rise buildings, industrial processes, and manufacturing. The CFCs are then reclaimed, purified and ready for reuse. This allows for responsible management and reuse of CFCs while protecting the ozone layer. A new \$5 million processing plant has been located in Mississauga, Ontario.

## Hamilton Dynamic Process Equipment

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417 Lake Ave  
Hamilton, ON  
L8E 3C1

Tel: 416/561-0911      Fax: 416/561-7775

Contact Mr. Dwayne Wanner  
President

### WATER & WASTEWATER

*Absorbers  
Activated Carbon Treatment Systems  
Boilers  
Clarifiers  
Distillation  
Reverse Osmosis Ultrafiltration  
Separators  
Tanks, Treatment/Storage  
Wastewater Treatment Services*

Company/Product Hamilton Dynamic is based in Hamilton, Ontario, and acts as an export sales and marketing agent for a group of companies by soliciting international tenders for process equipment and by seeking out buyer/partners who require a regular supply of manufactured components. The company undertakes negotiation of manufacturing and distribution agreements, joint ventures and licensing agreements. Hamilton Dynamic offers any international buyer a complete design, engineering, and fabrication service.

Hamilton Dynamic's primary field of activity is in custom designed environmental process equipment and metal-fabricated components. The firm's product range includes filtration separation equipment, pressure vessel filters, filter separators, microbic filters, basket strainers, cyclones, skid mounted filtration systems, ion exchanged systems, carbon absorbers, oil-water separators, desiccant driers, and air strippers.

Current Activities: Company experience includes projects in North America, Europe, Japan, Korea, and the Middle East. Major buyers include international engineering and construction companies, trading companies, manufacturers, and process plant owners and operators.

Contact Sought: Hamilton Dynamic would like to develop contacts with engineering firms which design and build

wastewater treatment or other process systems and with senior individuals in the public or private sector responsible for wastewater treatment.

#### **Hammant Car & Engineering Ltd.**

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29 Dunbar Ave. E.  
Hamilton, ON  
L8H 3E3

Tel: 416/547-2391      Fax: 416/547-0981

Contact: *Mr. Bill Crosbie*  
*Sales Manager*

**HAZARDOUS WASTE**  
**SOLID WASTE**

*Asbestos Control/Abatement*  
*Handling Equipment*  
*Vehicles (Refuse Handling, Vacuum Cleaning)*

**Company/Product:** Hammant Car & Engineering Limited is a design and manufacturing company of custom-designed material handling equipment. The company began its operations in 1906 by manufacturing mine cars.

Since 1955, it has specialized in transfer cars and trailers. The firm has developed a standard product line of luggers and roll-offs and has operated with most forms of dumping equipment and other products used extensively in the scrap industry. All products are steel fabricated, and are powered by any combination of electrical, hydraulic, or mechanical means. The company has special expertise in machinery involving steel wheels running on steel rails. If requested or required, the company's engineering and fabricating departments are capable of designing and creating instruments to fit specific needs and requirements.

**Current Activities:** Hammant Car and Engineering Ltd. serves clients across Canada and has an extensive exportation network across the United States.

#### **Hankin Atlas Ozone Systems Ltd.**

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690 Progress Ave.; Unit #12  
Scarborough, ON  
M1H 3A6

Tel: 416/439-7860      Fax: 416/439-6806

Contact: *Mr. Ronald L. Larocque*  
*President*

**AIR POLLUTION CONTROL**  
**HAZARDOUS WASTE**  
**WATER & WASTEWATER**

*Ozone Generating Equipment & Services*  
*Wastewater Treatment Services*  
*Water Pollution Control*  
*Water Purifiers*

**Company/Product:** Hankin Atlas Ozone Systems Limited was established in 1988 through the acquisition of Canadian

Waterworks and Ozone Company Limited (Canozone). Offices in Scarborough, Ontario and Calgary, Alberta service the Canadian market while the U.S. market is served through the company's association with Wheelabrator Engineered Systems Inc.. The European market is served through an association with Johnson Filtration in London, England.

Hankin Atlas Ozone Systems Limited has established a reputation as a manufacturer of reliable, reasonably priced ozone generators with an excellent operating and serviceability record. Hankin Atlas Ozone Systems Limited manufactures the Ozotec line of ozone-generating equipment for application to the treatment of drinking water, waste water, pulp and paper, cooling tower recirculation water, pool and spa water, as well as a myriad of other instances where oxidation or disinfection is the goal. Ozone, an unstable allotrope of oxygen, is the most powerful commercially available oxidant. The use of ozone in various applications eliminates chlorinated by-products.

In addition to the ozone generators, the company offers the OzoMeter, the Ozone in Air analyzer, the Ozocat Ozone Off Gas Destructor, the OzoMicro dedicated ozone control microprocessor and the OzoQuad four point ozone sampler. Pilot units and lab treatability assessment studies are also available.

**Current Activities:** Hankin Atlas Ozone Systems Limited provides equipment for facilities in Canada, the United States, Europe, and the Far East (having recently supplied a large system to the Peoples Republic of China). Any application of the Ozotec ozone generator and its accessories for the oxidation or disinfection of water will strongly benefit the final product.

**Contact Sought:** Hankin Atlas Ozone Systems Limited is seeking contact with senior individuals in municipal and private water companies who are responsible for project capital expenditures. Hankin is also interested in talking with parties who wish to form market alliances for areas other than the United States, Europe, and China.

#### **Hatch Associates Ltd.**

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2800 Speakman Dr.  
Mississauga, ON  
L5K 2R7

Tel: 416/855-7600      Fax: 416/855-8270

Contact: *Mr. Weldon Thoburn*  
*Vice President, Environmental*

**AIR POLLUTION CONTROL**  
**HAZARDOUS WASTE**  
**MONITORING**  
**NOISE POLLUTION CONTROL**  
**RECYCLING**  
**SITE RECLAMATION**  
**SOLID WASTE**  
**WATER & WASTEWATER**

*Audits/Assessments*

*Computer Management Systems/Software  
Consulting Services (Energy Planning, Engineering,  
Management, Pulp & Paper)  
Energy Management Systems  
Energy Recovery  
Engineering & Construction  
Financial Services  
Hazardous Material Management/Services  
Independent Inspection  
Information Management Systems  
Infrastructure Design  
Leachate Treatment  
Multi-Disciplinary Services  
Natural Gas Vehicle Refuelling Stations  
Noise Controls  
Pilot Plants for Process Research  
Plating Waste Treatment  
Pollution Abatement Services  
Project Management Services  
Public Consulting  
Pulp & Paper Engineering/Technology  
Recycling  
Remediation Services  
Research Services  
Site Clean-up Management  
Site Inspection  
Sludge Handling/Treatment  
Soil Treatment/Reclamation  
Solid Waste Treatment Services  
Supervisory Control Systems  
Training Programs/Films/Books  
Transportation  
Transportation (Hazardous Waste Disposal)  
Ventilators  
Wastewater Treatment Services  
Water Pollution Control*

**Company/Product:** Hatch Associates Ltd. is one of the top 100 exporters of engineering services worldwide. Hatch was incorporated in 1955 and has offices in Mississauga, Montreal, and Sudbury as well as branch offices in England, Buffalo, Dallas, and New Jersey. Hatch has received many awards honouring its innovative problem solving and top quality comprehensive engineering which it has practised over the years. These awards include Canada's highest achievement in consulting engineering, the Schreyer Award, and the Australian National Engineering Excellence Award. Hatch is particularly renowned for bridging gaps between research, engineering, and operations.

Hatch Associates is a general consulting engineering firm with environmental quality control expertise in air pollution, industrial ventilation, waste water treatment, and solid waste management. All projects incorporate engineering controls to optimize occupational health and safety. To complete the company's projects in a timely and cost effective manner, Hatch Associates uses such tools as computer-aided drafting and simulations, fluid dynamic scale modelling, noise prediction and control, environmental and energy auditing, risk assessment, hazards and operability analyses, and information services from the company's own library.

**Current Activities:** Hatch provides quality engineering consulting services to industry and government agencies in North America and in more than 38 countries worldwide. Its clients include public transit companies (rail, bus, and subway), iron and steel mills, nonferrous metal mills, pulp and paper mills, public utilities and institutions, regulatory authorities, and general manufacturing and process industries.

**Contact Sought:** Hatch Associates would like to develop contacts with senior individuals in the public or private sector who are responsible for both indoor and outdoor environmental quality control.

#### **HCI Waste Plan**

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405 - 3335 Yonge St  
Toronto, ON  
M4N 2M1

Tel: 416/322-3124      Fax: 416/322-6652

Contact: Mr. Jim Hiraishi  
*Principal*

**HAZARDOUS WASTE  
MONITORING  
RECYCLING  
SITE RECLAMATION  
SOLID WASTE**

*Audits/Assessments  
Consulting Services (Engineering)  
Engineering & Construction  
Landfill Design  
Leachate Treatment  
Mine Waste  
Project Management Services  
Recycling  
Remediation Services  
Site Clean-up Management  
Solid Waste Treatment Services*

**Company/Product:** HCI Waste Plan is an environmental consulting firm specializing in the field of waste management, engineering, and planning. Established in 1985 as an independent consulting company operating in Toronto, the company has been offering the services of fully qualified professionals active in the waste management industry, both in the private and public sectors, for the past two decades. HCI Waste Plan prides itself on providing clients with the knowledge and expertise gained through its many years in the waste management field. The company diligently tackles projects with the best available technologies in the most cost effective manner.

HCI Waste Plan offers highly specialized services to municipalities, industries, and consulting firms in order to solve complex problems associated with the handling and disposal of municipal and industrial wastes. Areas of expertise include siting of landfills, conceptual and detailed design of municipal landfills, design of hazardous waste management systems, design of leachate and gas control systems, waste collection productivity studies, remedial

works designs, site operations advice, closure designs, land reclamation, site decommissioning, and expert testimony.

**Current Activities:** HCI Waste Plan has undertaken projects in the U.S. and is prepared to take on any project worldwide that requires the company's services.

**Contact Sought:** HCI Waste Plan would like to develop contacts with senior individuals in both the public and private sectors who are responsible for waste management programs, landfill design and operation, and all other areas environmentally related to waste management.

#### **Heathwood Engineering Associates Ltd.**

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28 Duncan Ave. North  
P.O. Box 190  
Kirkland Lake, ON  
P2N 3M7

Tel: 705/567-3295      Fax: 705/567-6620

Contact: Mr. Jim Rorison  
Associate

AIR POLLUTION CONTROL  
RESOURCE MANAGEMENT

*Consulting Services (Energy Planning, Engineering)  
Multi-Disciplinary Services*

**Company/Product:** Much of Heathwood Engineering Associates Ltd.'s work has focused on environmental issues such as sulphur dioxide gas control, acid plants, etc. as they apply to copper smelting. This specialized activity with natural resources is rapidly becoming an exportable commodity as copper smelters worldwide become more environmentally aware.

**Current Activities:** Heathwood Engineering has begun to explore this potential in Brazil, Chile, and Mexico.

#### **Henderson, Paddon Environmental Inc.**

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212 - 945 Third Ave. East  
Owen Sound, ON  
N4K 2K8

Tel: 519/376-7612      Fax: 519/376-8008

Contact: Mr. Frank C Ford, P.Eng.  
President

AIR POLLUTION CONTROL  
MONITORING  
RECYCLING  
SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

*Consulting Services (Engineering)  
Groundwater Exploration & Development  
Groundwater Monitors  
Groundwater Treatment  
Hydrogeological Surveys  
Public Consulting*

*Public Works Engineering  
Remediation Services  
Site Clean-up Management  
Site Inspection*

**Company/Product:** The Henderson, Paddon Group is a multi-disciplinary consulting organization specializing in engineering and environmental technology. Henderson, Paddon & Associates Limited, incorporated in 1972, provides engineering services relating to roads, bridges, water supply and sewage treatment. Henderson, Paddon Environmental Inc., incorporated in 1990, specializes in waste management, hydrogeology, environmental audits and site cleanup, and groundwater resource development.

HPG staff combines experience in a wide variety of environmental projects with academic qualifications in engineering, hydrogeology, chemistry, biology and related fields. These professionals are dedicated to solving their clients' environmental problems, and they successfully combine practical, cost-effective strategies with up-to-date technical expertise to achieve this objective. The guiding principle of the Henderson, Paddon Group is to provide the appropriate expertise and approach to each project so as to produce the most satisfactory environmental and economic solution for their clients.

#### **Howe International Ltd.**

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237 Metcalfe St.  
Ottawa, ON  
K2P 1R2

Tel: 613/233-6264      Fax: 613/233-8343

Contact: Mr. C.A. McDonald  
President

AIR POLLUTION CONTROL  
WATER & WASTEWATER

*Consulting Services (Engineering, Management)*

**Company/Product:** Howe International Limited (now a part of the AGRA Engineering Group) was established in 1965 and has extensive experience in engineering environmentally acceptable industrial projects including those in bulk materials (grain, coal, ore, etc.) processing, handling, and storage.

Engineering and management services include studies, planning, and detailed design, financial, and economic analyses, material and equipment procurement, and operations and maintenance training.

**Current Activities:** Facilities designed by the company are installed in numerous countries worldwide. This process is aided by a branch in Singapore and subsidiaries or associate companies in Argentina, the United States, India, the U.K., and the Far East.

## **Hydrobotics Engineering Canada Inc.**

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20 - 520 Westney Rd. South  
Ajax, ON  
L1S 6W6

Tel: 416/428-2300      Fax: 416/428-3014

Contact: *Ms. Harriet S. Waterman  
Director*

### **MONITORING WATER & WASTEWATER**

*Remote Sensing  
Research Services  
Robots/Automated Handling  
Site Inspection  
Tanks, Treatment/Storage  
Television Sewer Inspection  
Vehicles (Remote-Operated)  
Water Pollution Control*

**Company/Product:** Hydrobotics Engineering Canada, incorporated in 1987, manufactures remotely operated marine inspection vehicles (ROV's) which are used in diverse commercial, utilities, government, and institutional applications. Systems are used to inspect marine life and/or subaqueous structures for environmental monitoring, assessment, or scientific research. ROV's use one or more live video cameras to inspect marine environments on a real time basis. Various optional features such as sonar and remote manipulator arms are available for integration.

Models include Scamp, Substar, Orpheus, Seaclops, and Hydrobot. The neutrally buoyant umbilical connecting the vehicle to the control console varies from 100 ft. to several miles long for municipal water/sewerlines. These Canadian-built systems provide superior value in their class against global competitors.

**Current Activities:** International sales have always been a priority and consequently the company has been able to market its services in many different countries worldwide. Specifically, Hydrobotics Engineering Canada Inc. has links with the following countries: Australia, Fiji, India, Indonesia, Japan, Malaysia, The Netherlands, New Caledonia, New Zealand, Papua/New Guinea, Singapore, the Solomons, Spain, Thailand, Turkey, and the United States. Government customers include U.S. Federal and State agencies and Canadian Federal and Provincial agencies.

**Contact Sought:** Hydrobotics aggressively continues to establish effective representation abroad. Furthermore, the company wishes whenever possible to participate in related trade shows and expositions.

## **Hydromantis Inc.**

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302 - 1685 Main St. West  
Hamilton, ON  
L8S 1G5

Tel: 416/522-0012      Fax: 416/522-0031

Contact: *Dr. Gilles G. Patry  
President*

### **WATER & WASTEWATER**

*Communication Equipment  
Computer Management Systems/Software  
Consulting Services (Engineering, Pulp & Paper)  
Data Acquisition/Processing  
Simulators  
Telemetry  
Training Programs/Films/Books  
Wastewater Treatment Services  
Workshop Facilitation*

**Company/Product:** Founded in 1985, Hydromantis, Inc. is an environmental engineering consulting company specializing in the development and application of emerging and innovative computer-based technologies in water and wastewater engineering. Hydromantis is recognized as one of the world leaders in modelling and simulation of wastewater treatment plants. The company is innovative in its ability to provide state-of-the-art process engineering expertise coupled with the latest developments in computer software and hardware technologies.

In addition to specialized environmental engineering consulting services and training, Hydromantis has developed and markets a number of advanced engineering software products for the planning, design, and operation of water and wastewater treatment plants. Some of these products include the GPS-X General Purpose Simulator, the PC-based computer program SimWorks, the modelling and computational framework Pollution Control Planning Advisor (PCP-A), and CAPDET-PC, the computer program designed for the preliminary design and cost estimation of wastewater treatment plants.

**Current Activities:** Because of the specialized nature of the company's products and services, Hydromantis Inc. has developed markets worldwide, including: the United States, Mexico, Venezuela, Japan, the United Kingdom, and Sweden.

**Contact Sought:** Hydromantis is committed to expanding its consulting and software sales and its support activities in the water and wastewater industry. It has developed close working relationships with consulting engineers, municipalities, and water companies around the world and welcomes the opportunity to expand its market.

## **Hygenius Inc.**

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1127 Derry Rd. East  
Mississauga, ON  
L5T 1P3

Tel: 416/564-1297      Fax: 416/564-1297

Contact: Mr. V. Roze  
*President*

### **MONITORING**

*Data Acquisition/Processing  
Instrumentation Systems  
Monitors: Air, Radiation  
Particle Analyzer  
Radiation Monitoring*

**Company/Product:** Hygenius Inc. was founded in 1989 with a view to develop innovative new technologies for environmental monitoring. Specialized instrumentation developments include:

#### **Airborne Particulate Monitoring**

The FACT-series (Fibrous Aerosol Classifier/Tabulator) has been developed specifically for real-time, on-site monitoring of airborne asbestos and other fibrous aerosols. Unique laser light scattering technology allows morphological analysis of individual particulates to determine their aspect ratio and shape characteristics, with data logging and trend recording capability.

#### **Radiation Monitoring**

The VistaSPEC multi-channel gamma-ray spectrometer has been developed as a battery-powered, field portable, but laboratory quality multi-channel nuclear analyzer for environmental and geoscience radiation analysis. The system includes advanced features such as rugged detector and instrument housing, 1024 channel 100 MHz ADC, direct dynode drive, integral PC and DOS-based operation, choice of detector types, and a wide range of options such as floppy disk, hard disk, and memory card data storage, PCMCIA interface, serial and parallel ports, radio links and GPS interface.

## **IMET-EER**

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58 - 1271 Denison St.  
Etobicoke, ON  
L3R 4B5

Tel: 416/946-1732      Fax: 416/946-8680

Contact: Mr. Richard Urbanski  
*President*

### **AIR POLLUTION CONTROL HAZARDOUS WASTE**

*Air Pollution Control  
Consulting Services (Engineering, Pulp & Paper)  
Emissions Testing  
Incinerators (Fume, Liquids, Waste)*

**Company/Product:** CanadEER Limited (IMET-EER) is the wholly Canadian-owned subsidiary of Energy and Environmental Research Corporation (EER). IMET-EER is an engineering support service firm which focuses on air emissions characterization for environmental purposes and gas measurements that lead to more efficient operation of combustion processes such as industrial boilers and waste incinerators. Its major corporate business areas therefore include air quality testing and combustion technology.

Services in air quality testing include field testing services and air toxins and engineering services. In combustion technology IMET-EER offers NOx and SO<sub>2</sub> emissions control technologies, contract research and development, and waste management.

**Current Activities:** IMET-EER currently performs tests and pilot plant studies across Canada and the United States. Among the industries served are utility, pulp and paper, petrochemical, chemical, and hazardous waste.

**Contact Sought:** IMET-EER would like to develop contacts with senior environmental managers in the public or private sector who are responsible for operations or testing in the utility, pulp and paper, petroleum, chemical, and hazardous waste industries.

## **Industrial Filter Fabrics Ltd.**

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663 Woodward Ave  
Hamilton, ON  
L8N 6P3

Tel: 416/549-9626      Fax: 416/547-7660

Contact: Mr. Russell Kelly  
*Vice-President, Sales & Marketing*

### **AIR POLLUTION CONTROL**

*Air Filters, Bags, Boosters  
Fabric Filters  
Filters  
Leak Detectors/Prevention*

**Company/Product:** Industrial Filter Fabrics (IFF) is a family-owned private corporation, operated by a dedicated team of filter media experts. Founded in 1971, IFF has grown to become known and acknowledged across North America and in Europe as a market leader in the design and manufacture of filter media products for dust collection, wet filtration, and pollution control filter systems.

IFF consistently invests in state-of-the-art filter media technology to keep pace with increasing environmental and industrial demands. In 1980 IFF introduced its patented Beane Bag filter media for use in air pollution control equipment to increase system performance and filter life. More recently, IFF has concentrated its cartridge filter manufacturing for APC equipment and general dust collection systems. IFF introduced its newest patented cartridge filter development in early 1993. This new filter element is designed to replace expensive PTFE membrane

filters without sacrificing filter efficiency, life, and dust release characteristics.

**Current Activities:** IFF has manufacturing facilities in both Canada and Mexico. The Canadian operations manufacture and distribute its high-tech line of products to Canada, the United States, and Europe. Operations in Mexico manufacture cellulose type filters for the same markets. Industries served range from high temperature applications such as waste incineration, coal fired boilers, and asphalt operations to low temperature woodworking, pharmaceutical, and various powder recovery systems.

**Contact Sought:** IFF would like to develop contacts with the operations personnel in the above-mentioned industries and/or technical distributors experienced in the operation of APC equipment in Asia, Australia, Europe, New Zealand, and Russia.

#### **Interprovincial Corrosion Control Company Ltd. —**

930 Sheldon Crt.  
Burlington, ON  
L7L 5K6  
  
Tel: 905/634-7751      Fax 905/333-4313

Contact: *Mr. William Russell*  
Vice-President, Operations

MONITORING  
WATER & WASTEWATER

*Cathodic Protection  
Tanks, Treatment/Storage*

**Company/Product:** Federally incorporated in 1957, Interprovincial Corrosion Control Company Limited, (I.C.C.C.) has been providing professional engineering services and the supply and manufacture of corrosion protection materials to most major users throughout Canada. I.C.C.C. is recognised by "N.A.C.E.", with accredited corrosion engineers on staff. The firm specializes in the protection of buried or immersed steel structures by the proven "Cathodic Protection" technique.

I.C.C.C. manufactures a variety of product lines such as galvanic (magnesium/zinc) and impressed current anodes, cathodic protection related equipment (including the patented Rustrol Polarization Cell Systems), and surge suppressors, which safely electronically isolate steel structures in order to apply corrosion-free cathodic protection. This latter process permanently preserves pipelines, tanks, refineries, etc.

**Current Activities:** Export sales total over one million dollars, 60% of which are to the U.S.A. I.C.C.C.'s annual growth rate of over 30% is forecast to continue over the next five years. Major clients have included Ontario Hydro, Canada, Consolidated Edison, N.Y., and most major electrical power/gas/water utilities and petroleum industries throughout North America.

**Contact Sought:** I.C.C.C. would like to develop overseas contacts in order to build up its international representation.

#### **Jasmetech Metal Technologies Inc. —**

67 Watson Rd South  
Guelph, ON  
N1H 6H8  
  
Tel: 519/766-9160      Fax: 519/766-9170

Contact: *Dr Denis Kidby*  
President

HAZARDOUS WASTE  
SITE RECLAMATION  
WATER & WASTEWATER

*Absorbents  
Cyanide Recovery and Recycling  
Decontamination Systems  
Groundwater Treatment  
Heap Leach Pad Reclamation/Detoxification  
Mine Waste  
Pilot Plants for Process Research  
Remediation Services  
Silver Recovery Systems  
Technology Transfer & Licensing Office  
Wastewater Treatment Services*

**Company/Product:** Jasmetech is a private Canadian company incorporated under Federal Charter in 1990. The company has offices in Guelph and Montreal in Canada and in Perth, Australia. The company provides an efficient cyanide recovery process which profits both the user and the environment. Jasmetech will continue to research and develop commercially attractive processes that eliminate the release of undesirable by-products of mineral processing operations while maximizing economic benefits to the industry.

Jasmetech owns and operates a pilot plant for on-site evaluation of cyanide recovery and recycling at mining operations. The company provides designed and engineered turnkey plants for retrofit of existing facilities. These plants will recover virtually all cyanide and cyanide metal complexes from precious metal recovery plant slurries including a very efficient capture of fugitive precious metals. Jasmetech's plants employ patented 'Vitrokele' adsorbents which have excellent resistance to chemical and physical deterioration. This process may be applied to the decommissioning of heap leach pads, or the remedial treatment of slurries or solutions containing cyanide and heavy metals at abandoned mining sites. It has also been demonstrated that simultaneous gold and cyanide recovery using this operation is financially competitive with the traditional activated carbon or Meryl Crowe systems.

**Current Activities:** Jasmetech currently markets its cyanide recovery technology to mining operations throughout North America from its offices in Montreal and Guelph. A territorial marketing licence has been sold to Jason Mining Limited of Sydney, Australia. Jason markets the cyanide

recovery process through a wholly-owned subsidiary Jasmetech Limited to mining companies operating in Australia and other countries in Southeast Asia.

**Contact Sought:** Jasmetech would like to establish contact with mining companies investigating environmentally acceptable management of their effluents and with government agencies responsible for regulation of these effluents. Engineering companies and metallurgical consultants who offer process options to mining clients are also of interest.

#### **Kenox Corporation**

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300 - 53 Village Centre Place  
Mississauga, ON  
L4Z 1V9

Tel: 416/275-3798      Fax: 416/275-8246

Contact: *Mr. J.B. (Brad) Stott*  
*Vice President, Marketing*

HAZARDOUS WASTE  
WATER & WASTEWATER

*Chemicals, Treatment*  
*Leachate Treatment*  
*Package Treatment Systems*  
*Plastic Wood*  
*Sludge Handling/Treatment*  
*Wastewater Treatment Services*

**Company/Product:** Incorporated in 1983, Kenox is a wholly Canadian-owned company which developed and patented worldwide an advanced wet air oxidation (WAO) technology for the treatment, detoxification, and reduction of hazardous/non-hazardous organic and oxidizable inorganic (e.g. sulphides) pollutants present in many industrial wastewaters, sludges, and slurries. This innovation provides a viable alternative to other conventional methods which often prove either unsuitable or too costly for the task at hand. WAO also has the distinct advantage of being able to treat a broad range and concentration of pollutants compared with most other technologies. In addition, an application for Kenox's WAO technology may be the disposal of municipal sewage sludge, both raw and waste activated. This use may be a cost effective and more environmentally-friendly alternative to incineration.

In 1986, a commercial demonstration facility was commissioned and successfully treated during a 5 1/2 year period for a highly concentrated, complex and variable wastewater. The demonstration confirmed the projected lower capital, operating and maintenance costs of the high treatment performance. This same facility also successfully demonstrated its ability to significantly improve the dewaterability of municipal sewage sludge.

In late 1989, Kenox began to actively exploit its competitive advantage which has lead to two significant commercial contracts (one domestic and the first of four European) to design, engineer, and install WAO wastewater treatment

systems in 1992/93. A heightened awareness of Kenox's technology has been instrumental in potential international clients commissioning Kenox to undertake laboratory studies to determine the suitability of their waste for treatment by WAO.

**Current Activities:** To facilitate sales opportunities, Kenox has a license for the U.K. and a working arrangement with a large international engineering company for continental EEC countries. Outside this territory, the company has been working with other companies on a case- by-case basis.

**Contact Sought:** Kenox wishes to contact industrial companies falling within the following categories which represent the most likely candidates for this technology: chemical, petrochemical, refinery, pharmaceutical, hydro utility, pesticide, herbicide, insecticide, and pulp and paper.

#### **Knopafex - Cues Canada**

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1675 Sismet Rd., Units 2 & 3  
Mississauga, ON  
L4W 1P9

Tel: 416/238-9178      Fax: 416/238-5018

Contact: *Mr. Tal Akermanis*  
*Vice President*

WATER & WASTEWATER

*Computer Management Systems/Software*  
*Television Sewer Inspection*

**Company/Product:** For almost 10 years Knopafex has been manufacturing sewer television (T.V.) inspection equipment. These T.V. cameras are used across North America by towns, cities, and sewer contractors and form a vital tool in sewer preventative maintenance. Through these cameras, engineers are able to see the actual condition of pipes ranging in size from diameters of 3 inches up to 60 inches. A complete line of small and large camera systems is also available. Export sales to the U.S. are expected to reach \$1,000,000 within the next 12 months.

The company's latest innovation is to computerize the sewer reporting process. Software has been developed exclusively by Knopafex's engineers which is compatible with most computers. It can be used in conjunction with M.I.S. and other database programs.

**Current Activities:** A U.S. office has been established for the marketing and sale of these goods to the American market. Initial entry sales have been good, and the projection is that the U.S. sales will eclipse sales in Canada in about one year. Knopafex is receiving inquiries for custom devices from across North America. To meet this demand, CAD/CAM tools have been put into use in the design and manufacturing processes.

## Koch Engineering Company Ltd.

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4750 Sheppard Ave. East  
Toronto, ON  
M1S 3V7

Tel: 416/293-3666      Fax: 416/293-6409

Contact: Mr. Rick Covey  
Export Sales Manager

### WATER & WASTEWATER

#### *Heat Exchangers/Energy Recovery*

**Company/Product:** Positioned in Toronto, and established in 1964, Koch Engineering Company Ltd. has developed an enviable reputation for sound engineering and contract administration, quality fabrication, and reliable delivery. Koch designs and manufactures a variety of heat exchangers for its customers including:

- shell & tube type heat exchangers;
- plate & frame type heat exchangers; and,
- hairpin double pipe/multitube type heat exchangers

Koch heat exchangers are manufactured in a variety of materials including:

- mild steel & copper alloys;
- low alloy steel of molybdenum & chromium; and,
- 300 and 400 series of stainless steels as well as numerous combinations of these same materials in the form of claddings

Koch is associated with both major international heat transfer research organizations, namely HTRI (Heat Transfer Research Inc.) of California and HTFS (Heat Transfer and Fluid Services) of the U.K., and thereby provides its customers with state-of-the-art thermal rating and sizing. All of Koch's exchangers are designed in strict accordance with ASME Section I, III, and VIII, as well as class R of TEMA (Tubular Exchanger Manufacturers Association) standards. Exchangers supplied have been up to 98 inches in diameter, have weighed up to 69 tons, and have had design pressures of up to 7000 psig.

The mechanical design capabilities offered by Koch include:

- ASME and other established design codes;
- finite element design;
- tube vibration analysis; and,
- seismic design

Koch's customers are primarily in the oil & natural gas, chemical & petrochemical, and power generation industries in both the Canadian and export markets.

**Current Activities:** International experience includes:

- over 100 exchangers to Mexico;

- nuclear exchangers to Argentina and Korea;
- various exchangers to Venezuela, Saudi Arabia, the U.K., and Australia;
- 90 exchangers for LNG plants in Algeria;
- 14 exchangers each for Urea plants in Sudan and Madagascar;
- 200 exchangers for a U.S. refinery;
- 30 exchangers for a fertilizer plant in Bangladesh;
- 2 complex exchangers for an Indian petrochemical plant;
- 100 exchangers for various projects in China; and
- 30 exchangers and components for Sri Lanka

## KPMG Environmental Services Inc.

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Commerce Court West  
P.O. Box 31  
Toronto, ON  
M5L 1B2

Tel: 416/777-3082      Fax: 416/777-3364

Contact: Mr. Richard Harris  
President

### MONITORING RESOURCE MANAGEMENT

*Consulting Services (Management)  
Project Management Services  
Site Inspection*

**Company/Product:** KPMG Environmental Services Inc. is a specialized professional practice owned by KPMG Peat Marwick Thorne (chartered accountants) and KPMG Peat Marwick Stevenson & Kellogg (management consultants). KPMG serves the needs of its clients for business advice on environmental issues and in particular, offers comprehensive service in the area of environmental management. The staff includes: accountants, engineers, and management consultants. This multi-disciplinary group works together to resolve environmental issues with its clients. KPMG has also entered into a strategic alliance with Sendex Environmental Corp., an engineering firm which has specialized in environment site assessments and remediation strategy for the past five years.

KPMG offers a range of services geared to meet the needs of corporate clients (including their directors, officers, management and employees, lenders, insurers and regulatory officials). Many of KPMG's services can be traced to a common theme: the identification and management of risk. For both corporations and their lenders (and regulators) risk assessment involves the consideration of the potential financial implications resulting from existing or potential discharges of contaminants. KPMG's group of consultants can assist lenders and borrowers in identifying issues, determining their significance and in developing remediation plans, pollution prevention strategies, and pro-active

environmental management programs, with a view to seeing transactions completed rather than abandoned.

**Current Activities:** Internationally, KPMG is a member of the KPMG International Environmental Practice. The International Practice is represented, on a full-time basis, in the United States, the United Kingdom, and many countries in continental Europe, thus allowing the company to advise clients on environmental issues in these jurisdictions.

#### Kresin Engineering & Planning Ltd.

523 Wellington St. East  
Sault Ste. Marie, ON  
P6A 2M4

Tel: 706/942-2612      Fax 706/942-3642

Contact: *Mr. Heinz Kresin*  
*President*

SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

*Consulting Services (Engineering, Forestry)*

**Company/Product:** Kresin Engineering and Planning Ltd. (KEP) was established in Sault Ste. Marie, Ontario as a professional practice of Totten Sims Hubicki Associates in 1978. It was formed to develop northern Ontario expertise in engineering and planning, and to serve clients throughout the north. The firm was incorporated in December of 1981, and continues to be affiliated with Totten Sims Hubicki Associates through joint ownership. KEP has its corporate headquarters located in Sault Ste. Marie.

KEP provides full environmental engineering services to federal, provincial, and municipal governments, as well as private sector clients throughout northern Ontario. Services include design, preparation of plans and specifications, contract administration, and resident inspection. Areas of specialization include communal water systems, communal sewage systems, sewage treatment, solid waste management, and hazardous waste. KEP utilizes current computer hardware and software in all phases of its services, including surveys, data management, design and construction.

**Current Activities:** KEP is currently active throughout northern Ontario.

**Contact Sought:** KEP's list of clients is extensive, including the federal and provincial government, municipalities, and the private sector. KEP would like to offer its services to similar clientele in other areas around the world.

#### L.H. Resource Management Inc.

R.R. # 1  
Walton, ON  
N0K 1Z0

Tel: 519/887-9378      Fax 519/887-9011

Contact *Mr. Chns Lee*  
*Manager*

WATER & WASTEWATER

*Wastewater Treatment Services*  
*Water Pollution Control*

**Company/Product:** L.H. Resource Management Inc., a manufacturer and distributor of waste utilization systems since 1979, produces 'Manurigator' brand irrigation reels, the only North American line designed exclusively for land application of organic liquid waste. This equipment is primarily sold to agricultural and food related industries and municipalities. Product advantages include: low operating and maintenance costs, minimal soil compaction, facility of repair, rugged construction, and superior low temperature performance.

The second product which L.H. Resource Management Inc. manufactures is the Pos Composter, an open, aerobic, in-vessel composting system for municipalities and large scale private projects. Advantages of this product include: reduced land and building requirements, low capital and operating costs, and consistent high quality output.

**Current Activities:** Export sales are approximately \$400,000 and are primarily centred in the United States, with growth projected at 50% per annum over five years. With three Manurigator dealers in the Eastern U.S., the company is now expanding into the Midwest. Composters are also sold from the Canadian office.

#### L.H. Schwindt & Company Inc.

1134 Plains Rd. East  
Burlington, ON  
L7S 1W6

Tel: 416/632-9040      Fax 416/632-2973

Contact: *Mr. Mike Glover*  
*President*

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
RECYCLING  
SITE RECLAMATION  
WATER & WASTEWATER

*Audits/Assessments*  
*Consulting Services (Engineering, Management, Pulp & Paper)*  
*Engineering & Construction*  
*Multi-Disciplinary Services*  
*Project Management Services*  
*Pulp & Paper Engineering/Technology*

*Recycling  
Remediation Services  
Site Clean-up Management  
Site Inspection  
Supervisory Control Systems  
Tanks, Treatment/Storage*

**Company/Product:** Established in 1948 and incorporated in 1956, L.H. Schwindt & Company Inc. is a consulting engineering firm offering services primarily to industrial clients in the food, pharmaceutical, hydrocarbon processing, iron and steel, and pulp & paper industries.

The company offers the following services: environmental audits, environmental impact assessments, equipment and instrument development, design, plant retrofits, plant decommissioning, regulations and standards consulting, and design of waste treatment facilities. Major clients have included Shell, Chrysler, Domtar, Ciba-Geigy, Dofasco, and others.

**Current Activities:** Export sales are approximately \$0.75 million exclusively centred in the U.S. market. In 1991, L.H. Schwindt & Co. opened an office in North Carolina to improve service to its American customers.

**LaFontaine, Cowie, Buratto, & Associates Ltd. —**

3260 Devon Dr.  
Windsor, ON  
N8X 4L4

Tel: 519/966-2250      Fax: 519/966-5523

Contact: *Mr. D.A. Buratto, P. Eng*  
*President*

**SOLID WASTE**  
**WATER & WASTEWATER**

*Consulting Services (Engineering)  
Infrastructure Design  
Multi-Disciplinary Services  
Project Management Services  
Public Works Engineering  
Solid Waste Treatment Services  
Transportation  
Waste Transfer  
Wastewater Treatment Services*

**Company/Product:** LaFontaine, Cowie, Buratto & Associates Limited and its predecessors have practised consulting engineering in Southwestern Ontario since 1892. The present company was incorporated in 1971 and currently has offices in Windsor and London, Ontario. The average total staff employed numbers 52, which includes engineers, technologists, draftspersons, and field personnel.

The company has in-house discipline capabilities providing advisory services, pre-design and feasibility studies, reports, construction drawings and contract documents, project administration and resident services during construction, and project management.

In the environmental field, LaFontaine, Cowie, Buratto & Associates Limited has experience in the collection and treatment of domestic and industrial wastes, water treatment and distribution, environmental assessment, and ecological studies. The company has designed 16 sewage treatment facilities, 9 water treatment plants, and hundreds of collection and distribution systems for some 50 municipalities.

**Laidlaw Inc. —**

3221 North Service Rd  
P.O. Box 5028  
Burlington, ON  
L7R 3Y8

Tel 416/336-1800      Fax 416/336-3976

Contact *Mr. Robert J. Redhead*  
*Director*

**AIR POLLUTION CONTROL**  
**HAZARDOUS WASTE**  
**RECYCLING**  
**SITE RECLAMATION**  
**SOLID WASTE**  
**WATER & WASTEWATER**

*Asbestos Control/Abatement  
Audits/Assessments  
Central Composting Systems  
Clean-up Services  
Composting  
Consulting Services (Management)  
Disposal Services  
Emergency Response Services  
Hazardous Material Incinerators (Waste)  
Leachate Treatment  
Management/Services  
Monitors (Liquids)  
PCB Treatment/Disposal  
Plating Waste Treatment  
Pollution Abatement Services  
Recycling  
Recycling (Lube Oil, Wood Chips, Wood Waste)  
Remediation Services  
Site Clean-up Management  
Sludge Handling/Treatment  
Soil Treatment/Reclamation  
Solid Waste Treatment Services  
Transportation  
Transportation (Hazardous Waste Disposal)  
Waste Encapsulation  
Waste Transfer  
Wastewater Treatment Services*

**Company/Product:** Laidlaw Inc. was founded in 1959 and has since grown to become North America's second largest hazardous waste company and third largest solid waste company. The company's hazardous waste management group operates from 54 locations in North America. Laidlaw Environmental Services was established in 1990. During the last three decades, Laidlaw has diversified and grown by acquisition and internal expansion. A Canadian publicly traded company since 1969, the Laidlaw

organization today principally provides school bus and waste management services to customers in the public and private sectors.

Under the name Laidlaw Environmental Services, the firm offers a broad range of waste treatment capability including wastewater treatment facilities, secure chemical landfills, incinerators, physical-chemical treatment facilities, fuel blending operations, waste transfer stations, and waste bulking. The company also specializes in providing services for the small waste quantity generator (e.g. spent acid removal from electroplating operations) and the packaging and disposal of residual chemicals from laboratory operations.

At its fiscal year end, August 31, 1990, revenues reached \$1,737,517,000 (U.S.), three quarters of which were generated in the United States. Sixty-three percent of revenue was attributable to waste management services, and 37 percent was derived from transit operations. The company's shares are listed on the Toronto, Montreal, and New York stock exchanges.

**Current Activities:** Laidlaw delivers its services from 54 locations distributed within 39 states and seven provinces throughout North America. The firm is currently operating in the United States, Norway, and Belgium.

**Contact Sought:** Laidlaw Environmental Services seeks partners to develop alliances and joint ventures.

#### **Leferink Transfer Ltd.** \_\_\_\_\_

11597 Trafalgar Rd.  
Georgetown, ON  
L7G 4S4

Tel: 905/877-1420      Fax: 905/873-0919

Contact: *Mr. Bert Leferink*  
*President*

RECYCLING  
SOLID WASTE

*Disposal Services*  
*Transportation*  
*Waste Transfer*

**Company/Product:** Leferink Transfer Ltd. is a family-owned waste transferring company. It is licensed by the Ministry of the Environment to transport solid non-hazardous industrial, commercial, and residential waste from any approved facility in Ontario to any approved facility in Canada or the United States. It currently transports waste collected by private hauling companies and from local citizens and businesses through its transfer station.

Experience in waste management includes the transfer of waste collected by local municipalities for the past 10 years and the operation of a hauling company for 30 years. Leferink is a member in good standing with the National Solid Waste Management Association and the Ontario

Waste Management Association. The company is willing and able to assist communities and private industry in developing sound waste management systems and providing transport solutions to waste problems.

**Contact Sought:** Leferink Transfer Ltd. would like to develop contacts with private and public managers of waste systems interested in secure disposal of waste and with operators of environmentally responsible processing and disposal systems and sites in Canada and the United States.

#### **Lisle-Metrix Ltd.** \_\_\_\_\_

49 Sheffield St  
Toronto, ON  
M6M 3E5

Tel: 416/249-9151      Fax: 416/249-2952

Contact *Mr. T. S. Medland*  
*President*

MONITORING  
WATER & WASTEWATER

*Analyzers (Liquids)*  
*Flowmeters*  
*Instrumentation Systems*  
*Level Monitors*  
*Meters*  
*Odour Controls*  
*Plating Waste Treatment*  
*Recorders*  
*Remote Sensing*  
*Samplers*  
*Sensors*  
*Water Pollution Control*

**Company/Product:** Lisle-Metrix Ltd., a wholly Canadian-owned company founded in 1957, is a manufacturer and distributor of process controls and hardware to serve the industrial and environmental market. The company is committed to the design and production of state-of-the-art sensors and instrumentation for the markets it services. On-time delivery and after sales service are emphasized.

Lisle-Metrix manufactures sensors and analytical instrumentation for the measurement and control of pH, conductivity, turbidity, dissolved oxygen, and flow. Sensors are produced in a variety of configurations for installation in tanks or process piping. All instrumentation is microprocessor-based and incorporates the latest in high density CMOS technology.

Research and development is an on-going process at Lisle-Metrix. The company is determined to keep its products up to date in an industry which is constantly evolving. Modern computer-aided drafting and design systems are an important part of the R&D laboratory. Special products are designed and produced, sometimes under private label, for OEM customers.

**Current Activities:** The company markets its products through a network of representatives throughout Canada

and the United States. Overseas sales have been made to Kuwait, Australia, Taiwan, and Korea, although exclusive representatives in these countries have not been appointed.

**Contact Sought:** Lisle-Metrix is interested in extending its representative organization to some areas not yet covered in the United States, Mexico, Australia, New Zealand, and East Asian countries.

#### M.M. Dillon Ltd.

500 - 1900 City Park Drive  
Gloucester, ON  
K1J 1A3

Tel: 613/745-2213      Fax: 613/745-3491

Contact *Mr. Charles Kretch*  
*Director, International Operations*

HAZARDOUS WASTE  
MONITORING  
RECYCLING  
SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

*Clean-up Services*  
*Consulting Services (Engineering)*  
*Site Clean-up Management*  
*Site Inspection*  
*Solid Waste Treatment Services*  
*Training Programs/Films/Books*  
*Wastewater Treatment Services*  
*Water Pollution Control*  
*Workshop Facilitation*

**Company/Product:** M.M. Dillon was established in 1945 as a partnership, incorporated in Ontario in 1953, and federally chartered in 1986. The company's principle fields of activity are planning, engineering, environmental science, transportation services, landscape architecture services, archaeology, and building design. Dillon provides services to all levels of government and private clients in Canada and overseas. The firm is 100% Canadian-owned and is managed by Canadian employees. The staff, which numbers around 500, includes engineers, hydrogeologists, planners, architects, landscape architects, environmental scientists, laboratory personnel, archaeologists, and technical/administrative support staff.

A goal to which the company is committed is technical quality and service. Dillon's directing company, Quality Assurance, is responsible for continuing education, training, work quality, and dissemination of technical and managerial information. The technical advisory committee is comprised of experts in the company who are pre-eminent in their field and who assist with design development, production, methods updating, and internal reviews.

#### M & I Air Systems Engineering Ltd.

1375 Aimco Blvd , Units 9 & 10  
Mississauga, ON  
L5C 1M3

Tel: 416/625-8551      Fax: 416/625-0846

Contact *Mr. Dipti Kr. Datta*  
*President*

AIR POLLUTION CONTROL  
NOISE POLLUTION CONTROL

*Bacterial Cultures*  
*Central Air Handling Systems*  
*Noise Controls*  
*Odour Controls*  
*Positive Seal Dampers*  
*Valves, Air*  
*Ventilators*

**Company/Product:** Incorporated in 1981, M&I Air Systems Engineering (a Division of M&I Heat Transfer Products Ltd.) is a research and development oriented privately owned company. The company has grown steadily over the last twelve years and is represented in Canada, the U.S., and India through an established network of representatives. M&I has a strong, well-balanced engineering and management team with a unique blend of experience in marketing. M&I is committed to providing state-of-the-art air moving technology through the patented application of aero-acoustical engineering principles. This commitment has earned M&I a solid reputation among such leading firms as Motorola Inc., Honda Motor Plant, the Hospital Corporation of America, and others.

M&I manufactures and sells patented products such as zero leakage dampers, VAV air valves with a packless silencer, VAV induction units, reheat terminal units for hospitals, and central air handling systems for the heating, ventilation, and air conditioning (HVAC) industry.

M&I's technology is best suited to hospitals, universities, airports, defense-related projects, semi-conductor/waterfab manufacturing, pharmaceutical laboratories, subway ventilation, nuclear plants, and any industrial plant which produces end goods in a temperature controlled environment. M&I's flagship is the Compac Space Fan System which has been developed to improve the performance of today's air conditioning system in six specific ways:

- reduced space needed for system installation (50-60%);
- reduced sound levels associated with system operation (NC-35 or less);
- reduced electrical power requirements (25-50%);
- reduced cooling load (15-20%);
- reduced vibration (<0.01mil); and,
- reduced maintenance (fan roll-out assembly)

This is all possible through M&I's advanced, computer-aided, aeroacoustical design which is the result of

several years of development effort supported by the Canadian Federal Government. The systems are economical to build and run and are also simple to operate, saving considerable investment. The pay back period for M&I Compac Space Fan System can be approximately four to five years or less depending on the local conditions.

**Current Activities:** M&I currently has a full scale operation of the fan system in Canada, the USA and India. Among the industries served are sewage treatment, hospitals, pharmaceutical labs, semi-conductor-waterfab industry, universities, and nuclear power plants. M&I would like to expand its activities in Europe, Far East Asia, China, Japan, the Middle East and Latin America.

**Contact Sought:** M&I would like to develop contacts with senior individuals in the public sector, including defense, and private sector who are responsible for capital investment as well as those whose companies design and build facilities and who are interested in applying new technologies. M&I would also like to identify potential licensees who have the capability and interest to market and manufacture in their respective countries.

#### **Mann Testing Laboratories Ltd.**

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5550 McAdam Rd  
Mississauga, ON  
L4Z 1P1

Tel: 416/890-2555      Fax: 416/890-0370

Contact: Dr. Pierre Beaumier  
V.P., Business Development

HAZARDOUS WASTE  
MONITORING  
SOLID WASTE  
WATER & WASTEWATER

*Laboratories, Testing/Mobile & Fixed*

**Company/Product:** Mann Testing Laboratories Ltd. provides a comprehensive range of high-quality environmental testing services. Mann is certified by the Canadian Association of Environmental Analytical Laboratories (CAEAL), the New York State Department of Health for environmental testing, the Canadian Standards Association, and the Canadian Standard Council (pending).

Services provided by Mann Testing Labs include testing of emissions from stationary sources, ambient and indoor air, water, wastewater, soil, and hazardous wastes, as well as research and development services. The types of tests performed include: trace metals, anions, conventional chemistries, pesticides, herbicides, PCBs, volatile organics (VOCs), PAHs, dioxins/furans, and other pollutant chemicals. The company's products include: LC/MS, GC high-resolution MS, 11 other GC/MS systems, 30 GCs with various detectors, 8 HPLC systems, 34 channel ICP, flame and graphite furnace AAs, and automated chemistry analyzers, among other equipment.

With the company's research and development capabilities, Mann Testing Labs' expertise is available to assist its clients in solving both routine and complex environmental situations.

**Current Activities:** Testing services have been provided to government and industrial clients in Canada and the United States.

#### **Markland Specialty Engineering Ltd.**

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48 Shaft Rd  
Rexdale, ON  
M9W 4M2

Tel: 416/244-4980      Fax: 416/244-2287

Contact: Mr. J.R. Tansony  
President & General Manager

MONITORING  
WATER & WASTEWATER

Analyzers (Liquids, Sludge, Solids)  
Detectors  
Instrumentation Systems  
Monitors (Liquids, Sludge)  
Samplers

**Company/Product:** Markland Specialty Engineering Ltd. was established in 1967 to design and manufacture high technology process control instrumentation primarily for the water pollution control field. The company holds many patents and is a leader in sludge level control instrumentation that utilizes microprocessor based "intelligent" sensors to locate the sludge/liquid interface. Products include sludge level detectors and controllers, sludge depth meters, wastewater samplers, suspended solids meters, and sludge/liquid interface detectors. Markland's patented DUCKBILLR wastewater samplers operate without moving parts for improved reliability and reduced maintenance.

Technical assistance is available upon request.

**Current Activities:** From its factory in Toronto, Markland exports its state-of-the-art instruments to 20 countries.

#### **Marshall, Macklin, Monaghan Ltd.**

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80 Commerce Valley Dr. E.  
Thornhill, ON  
L3T 7N4

Tel: 416/882-1100      Fax: 416/882-0055

Contact: Mr. C.W. Longden  
Senior Vice President, Corporate Development

HAZARDOUS WASTE  
RESOURCE MANAGEMENT  
SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

## **Consulting Services**

**Company/Product.** Marshall Macklin Monaghan Limited, established in 1952 and incorporated in Ontario and Alberta, is a privately held Canadian company, owned and managed by its practitioners, offering comprehensive consulting services to government and private sector clients across Canada and overseas. 22 partners, 15 associate-partners and 53 associates share in the overall management of a practice that currently employs approximately 550 personnel, of whom one-third are registered professionals. Each partner serves a senior management role in a major area of activity and is responsible for the many specialized services which are in turn headed by associates who are recognized leaders in their respective areas of expertise.

Marshall Macklin Monaghan's Environmental Division comprises three departments: Environmental Engineering, Water Resources, and Waste Management. The Environmental Engineering department is primarily involved in the planning, design, and contract administration of water and wastewater treatment and conveyance systems for municipal and industrial clients. The Water Resource department is involved in storm water management, flood prediction, protection and control, watershed management planning, flow modelling, routing, and control. The Waste Management department is involved in solid and hazardous waste management, site decontamination, environmental auditing and hydrogeological studies/designs. Environmental planning, including preparation of formal environmental assessment documents under Provincial and Federal legislation, is provided by the division.

The nature of most assignments undertaken by Marshall Macklin Monaghan necessitates the provision, in one organization, of a wide range of disciplines to comprehensively serve the needs of the client. The traditional skills include engineering, in the of municipal, environmental, waste management, water resources, structural, transportation, traffic, mechanical, electrical, industrial, and construction fields; surveying, in the legal, eidetic, photogrammetric, hydrographic, applied geographic information services, remote sensing, and digital terrain modelling fields; and planning, in the urban development, municipal, regional, economic, transportation, environmental and resource, tourism and recreation, heritage resource, urban design, and landscape architecture domains. In addition, inter-disciplinary skills include project management, environmental assessment, market and economic analysis and computer sciences.

Marshall Macklin Monaghan has also accumulated a great amount of experience and expertise in the areas of commuter transit studies, railway grade separations, rail diversions, as well as locomotive rehabilitation and maintenance.

Over the past three decades, Marshall Macklin Monaghan's multi-disciplinary consulting service has developed to

respond actively to changing environments and to the changing needs of clients. The basic philosophy of the company is to produce quality work, on time and within budget. The success of this approach is confirmed by the firm's rapidly growing list of satisfied clients and a corresponding high incidence of repeat and referral business.

**Current Activities** Marshall Macklin Monaghan has been active in the international marketplace for over 30 years. Assignments have been carried out by the firm in the Caribbean, Africa, the Middle East, India, the Far East, Central America, South America, and the United States. The export of a full range of professional services to the world market presents a unique opportunity for the firm to provide North American capabilities and experience on world-wide projects. Through this experience, Marshall Macklin Monaghan continues to expand its ability to adapt to vastly different social, environmental and cultural conditions.

Assignments in Canada have been carried out in every Province and Territory. Offices are located in Toronto and Edmonton to serve major centres of activity. Additional local offices have been established as required to serve local or project needs.

### **Marsh Engineering Limited**

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9 Hawk St.  
Nanticoke, ON  
NOA 1L0

Tel. 519/587-4511      Fax 519/587-2340

Contact. *Mr. Mike Delenbeck*  
*V P & General Manager*

**MONITORING**  
**WATER & WASTEWATER**

*Activated Carbon Treatment Systems*  
*Aerators*  
*Bacterial Cultures*  
*Biological Wastewater Nutrient Treatment*  
*Clarifiers*  
*Consulting Services (Energy Planning, Engineering)*  
*Conveyors*  
*Energy Management Systems*  
*Energy Recovery*  
*Engineering & Construction*  
*Flocculators*  
*Gas/Liquid/Solid Separation Equipment*  
*Instrumentation Systems*  
*Modular Electronic Equipment*  
*Monitors (Air, Gases, Liquids)*  
*Oil Sludge Digesters*  
*Package Treatment Systems*  
*Pilot Plants for Process Research*  
*Remote Sensing*  
*Research Services*  
*Samplers*  
*Scales/Weighing Equipment*  
*Sensors*

**Separators**

*Sewage Shredding/Screening Equipment*

*Sludge Handling/Treatment*

*Tanks, Treatment/Storage*

*Ultraviolet Light Disinfection Systems*

*Water Purifiers*

**Company/Product:** Established in 1870, Marsh Engineering Ltd. is a privately owned manufacturing and repair services company. The firm has grown over the last fifteen years and now has permanent facilities in Dartmouth, Nova Scotia, Burlington, Port Colborne and Nanticoke, Ontario and Middleport, New York. The company provides quality workmanship and is recognized and approved by many national and international standards bodies. Service is a prime directive of Marsh Engineering and thus quick, accurate, efficient solutions are its most valuable assets.

The firm's technological approach to organic wastewaters for small scale projects puts our CABOS sewage treatment system in the lead for markets where space is a premium, equipment must be simple and reliable and processing must be continuous and complete. The system is available for both permanent and transportable applications. Typical uses would be commercial ships, marinas, RV and trailer parks, hotels, camps and institutions.

Disinfection of liquid streams where chlorination is not acceptable or not practical is best handled by ultraviolet sterilization. Our CANPURE sterilizers are the most robust units on the market today.

Marsh Engineering has a team of expert engineers who deal with organic wastewaters. This team covers system design, mechanical design and construction, structural design, bioremediation design, controls and instrumentation design and plant service engineering. These services are available independently in conjunction with equipment manufacture or as a turnkey operation.

The firm is currently working on an oil sludge digester which is planned to be released in 1995. We are always open to inquiries for solutions which are not currently available.

**Current Activities:** Currently, Marsh Engineering Ltd. sells treatment equipment in Canada and the USA. Other aspects of our business have been as far reaching as Korea, Argentina, Brazil, and Europe.

**Contact Sought:** Marsh Engineering Ltd. would like to develop contacts with senior individuals in the private sector who are interested in marketing the firm's products and services and are looking for a long-term relationship which will allow us to transfer the technology and manufacturing into their area.

**MBB-Trecan Inc.**

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3 - 2150 Dunwin Drive

Mississauga, ON

L5L 5M8

Tel: 416/607-5905      Fax: 416/607-5908

*Contact Mr. Frank Mornson  
Sales Manager*

**HAZARDOUS WASTE**

**SOLID WASTE**

*After Burners  
Boilers*

**Company/Product:** Trecan was established in 1962 as the Canadian subsidiary of Thermal Research and Engineering Corporation of Conshohocken, PA, USA (currently T-Thermal Inc.) and in the years through 1965 it operated primarily as a sales outlet for Thermal's products in Canada. From 1966 the company began to expand its own engineering staff and develop a range of products which were to be subsequently manufactured in Canada.

Trecan specializes in the design, manufacture, installation, commissioning, and service of industrial combustion and incineration equipment and systems, and the repair, construction, and manufacture of steam boilers to ASME codes. The product range includes incineration systems for: medical waste, pharmaceutical waste, industrial solid waste, low-level radioactive waste, industrial liquid waste and fumes and gases, high efficiency industrial burners, snow melters, direct fired air heaters, and submerged combustion equipment.

**Current Activities:** The firm's traditional market has been 80% Canada, 15% USA and 5% other exports, however, a substantial effort has been directed towards export sales since 1989 and more recently those efforts have been expanded for medical waste incineration systems. The firm's customer base is predominantly major industrial corporations, national and provincial governments, and airport authorities (The latter being almost exclusively for the supply of snowmelters).

Asian markets are now being developed and incineration systems have been sold in Taiwan and Korea with other projects in consideration. Other industrial combustion equipment has been sold in Japan and South Korea.

**Contact Sought:** MBB-Trecan's main priority for 1993 is to establish exclusive sales agencies or licensees for Thailand and Indonesia with the emphasis on medical waste incineration systems.

**McCarthy Robinson Inc.**

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205 Riviera Dr. Unit #5  
Markham, ON  
L3R 5J8

Tel: 416/298-1630      Fax: 416/298-4305

Contact: *Mr. Tom Payne*  
*President*

AIR POLLUTION CONTROL  
NOISE POLLUTION CONTROL

*Air Filters, Bags, Boosters*  
*Dryers*  
*Enclosures*  
*Energy Recovery*  
*Fabric Filters*  
*Filter Systems*  
*Heat Exchangers*  
*Noise Controls*  
*Odour Controls*  
*Scrubbers*  
*Ventilators*

**Company/Product:** McCarthy Robinson Engineering Inc., originally incorporated in 1931, is engaged in the marketing, design, and manufacture of air filtration and pollution control equipment for industry.

The staff of registered professional engineers and engineering technologists concentrates on special applications requiring a high degree of engineering skill and experience in the utilization of the firm's products in technically demanding projects.

Typical projects for off-gas cleaning systems are in the 10,000 to 50,000 cfm range. Applications include incinerator flue gas scrubbing, odour control, material handling, dust control, and product dryer off-gas cleaning.

The company is the Canadian manufacturing licensee of the WW Sly Company for wet and dry gas cleaning systems, and the Canadian distributor of Monsanto Enviro-Chem "Brink" Mist Eliminators. The company also designs and manufactures proprietary air filtration and noise control systems for large rotating machinery.

**Current Activities:** The company has completed projects throughout North America, and has built equipment for shipment to China, Europe, and Chile.

**Contact Sought:** The company would like to be contacted by engineering firms which require specialized systems for air pollution control.

**Mega Industries Inc.**

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3075 Ridgeway Drive, Unit #19  
Mississauga, ON  
L5L 5M6

Tel 416/828-6342      Fax: 416/828-6345

Contact: *Mr. Steve Atkinson*  
*Sales Manager*

RECYCLING

*Bins, Bulk Storage*  
*Chemical Feeders*  
*Conveyors*  
*Feeders, Vibrating*  
*Screening Equipment*  
*Sewage Shredding*  
*Vibrators (Pneumatic, Electric, Hydraulic)*

**Company/Product:** Mega Industries Inc. was founded in 1985 and specializes in the field of vibration and material handling. The firm has the expertise to design and manufacture vibrators, vibrating tables, air stimulation systems, feeders, and conveyors.

Mega Industries Inc. is the Canadian and U.S. distributors of Dynapac vibrators.

**Current Activities:** Mega Industries Inc. is currently exporting to the USA through a dealer network, and is also exporting to Sweden and Australia.

**Contact Sought:** Mega Industries Inc. is interested in developing contacts with engineers involved in the storage and handling of powder, bulk, and solids who are interested in solving material flow problems. Mega would also like to contact potential dealers and distributors in the material handling field. The firm would also like to contact any manufacturers of bins or silos and any OEM's which serve related markets.

**Milltronics Ltd.**

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730 The Kingsway  
P.O. Box 4225  
Peterborough, ON  
K9J 7B1

Tel: 705/745-2431      Fax: 705/745-0414

Contact: *Mr. Ross Geland*  
*Int'l Planning and Development*

MONITORING  
WATER & WASTEWATER

*Flowmeters*  
*Leak Detectors/Prevention*  
*Monitors, Liquid*  
*Remote Sensing*  
*Sensors*  
*Spill Monitors*

**Company/Product:** Milltronics designs and manufactures process measuring equipment for use in the water, wastewater, food, grain, mining, cement, coal, and chemical industries.

Milltronics' product lines include equipment for non-contacting ultrasonic level measurement (from a few inches to over 200 feet), continuous weighing and feeding, and conveyor motion sensing. The monitors operate effectively in solids, liquids, slurries and resins, hazardous areas, and hostile environments. Combining micro-computer circuitry with ultrasonic technology has produced new technical achievements.

Milltronics has a line of weighing and feeding equipment, including belt scales, solids flowmeters and weighfeeders. The Motion Sensing Devices, the initial backbone of the company, are used for the protection of equipment in the mining, cement, and grain industries.

**Current Activities:** The company is represented worldwide, with sales offices across Canada, a U.S. branch in Arlington, TX, a European headquarters in Worcester, England, and commercial representatives throughout the industrialized world. The company markets its products in many countries including the following: Australia, Belgium, Chile, Ireland, Finland, France, Great Britain, India, Israel, Italy, Japan, Korea, Mexico, Norway, Peru, Portugal, Spain, Sweden, Switzerland, The Netherlands, Denmark, Austria, and West Germany.

#### **Monenco** \_\_\_\_\_

Suite 100,  
2010 Winston Park Drive  
Oakville, ON  
L6H 6A3

Tel: 416/829-5400      Fax: 416/829-5401

Contact: *Mr. C. Graham Williams P. Eng*  
*Senior Vice-President, Marketing*

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
MONITORING  
OIL SPILL  
RECYCLING  
SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

*Acid Mine Drainage Services*  
*Analytical Services*  
*Audits/Assessments*  
*Chemical Analysis Services*  
*Computer Management Systems/Software*  
*Consulting Services (Acid Rock Drainage, Energy Planning, Engineering, Geological & Petroleum)*  
*Drilling Equipment/Services*  
*Energy Management Systems*  
*Engineering & Construction*  
*Geographic Information Systems Software*  
*Geophysical Services*

*Geotechnical Studies*  
*Groundwater Exploration & Development*  
*Groundwater Monitors*  
*Groundwater Treatment*  
*Hazardous Material Management/Services*  
*Hydraulic Modelling & Research*  
*Infrastructure Design*  
*Inspection (Design, Materials, Soil)*  
*Natural Gas Vehicle Refuelling Stations*  
*Oil/Water Separators*  
*Power Supply Services*  
*Project Management Services*  
*Public Works Engineering*  
*Recycling*  
*Remediation Services*  
*Site Clean-up Management*  
*Soil Treatment/Reclamation*  
*Solid Waste Treatment Services*  
*Thermoformed Plastic Trays*  
*Toxicity (Analysis)*  
*Training Programs/Films/Books*  
*Waste Glass*  
*Wastewater Treatment Services*

**Company/Product:** AGRA Industries Limited, the parent company of Monenco, is a diversified international company with business interests around the world. Since its incorporation in 1960, Agra has grown into a major publicly-held corporation whose shares are traded on the Toronto and Montreal Stock Exchanges.

**Current Activities:** Agra employs approximately 6,000 people in more than 140 offices and locations in Canada, the United States, the Caribbean, Europe, South America, Africa, Asia, and Southeast Asia.

**Contact Sought:** The company concentrates on two core business areas: engineering and construction, and waste management and recycling. This corporate focus is in harmony with Agra's traditional strengths and the business opportunities which will be created by the three dominating issues of the next decade - energy, the environment, and the global economy.

#### **Mowat Fabrication Ltd.** \_\_\_\_\_

166 North Murray St.  
P.O. Box 682  
Trenton, ON  
K8V 5W6

Tel: 613/394-5041      Fax: 613/394-6530

Contact: *Mr. Kirk Mowat*  
*President*

AIR POLLUTION CONTROL  
RECYCLING  
*Air Quality Systems*  
*Blowers*  
*Containers (Drums)*  
*Conveyors*  
*Covers, Tank & Pond*

*Fans*  
*Recycling Equipment*  
*Tanks, Treatment/Storage*

**Company/Product:** Mowat Fabrication Ltd. is a custom fabrication shop located in Trenton, Ontario. The company produces numerous stainless and mild steel products including: pasteurizing tunnels, tanks, conveyors, restaurant hoods, cabinets, and sinks, as well as other items for the restaurant and dairy industries. Also produced is a line of recycling equipment and trailer and truck bodies. Clients served are mainly in the food, restaurant, industrial, and recycling industries.

Mowat Fabrication Ltd. has a CADD design centre which caters to custom and unique orders.

**Current Activities:** Export sales are currently to the northern United States. Products are marketed through distributors located in Canada and New York. The firm is currently quoting for Russia and South America.

**Contact Sought:** Mowat Fabrication Ltd. is interested in broadening sales to include the southern United States and abroad and would like to establish distributors in these areas.

**MultiVIEW Geoservices Inc.**

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5566 Tomken Rd.  
Mississauga, ON  
L4W 1P4

Tel: 416/629-0979      Fax: 416/624-9365

Contact: *Mr. John Scaife*  
*General Manager*

MONITORING  
OIL SPILL  
SITE RECLAMATION  
WATER & WASTEWATER

*Geophysical Services*  
*Geotechnical Studies*  
*Groundwater Exploration & Development*

**Company/Product:** MultiVIEW Geoservices Inc. provides professional service in the use of high resolution geophysical techniques to map and delineate subsurface features. Through the integrated use of various geophysical techniques, multiple views of subsurface conditions not visible from surface can be obtained.

MultiVIEW Geoservices Inc. maintains a professional staff skilled in the use of high resolution geophysical techniques including ground penetrating radar, seismic reflection and refraction, electromagnetics, sub-bottom profiling and bathymetry, magnetics, gravity, and radiometrics. Since its inception in 1988, the firm has completed over 325 projects using its services for engineering and environmental investigations.

Typical engineering investigations include mapping depth to bedrock for hydroelectric facilities, locating abandoned mine workings and other voids, fracture and fault mapping, vibration studies, determination of soil and rock in-situ dynamic elastic properties along with depth to water table, overburden stratigraphy and lithology.

Typical environmental investigations include utility mapping, locating buried drums, underground storage tanks and pipelines, mapping areas of contaminated soils and leachate plumes, clearing sites for boreholes, mapping aquifers and the water table as part of environmental site assessments including real estate transfers, archaeological investigations and audits.

All of these techniques are non-intrusive and are completed without disturbing the ground or surrounding environment to provide a permanent record of subsurface site conditions. The use of the firm's services permits optimized intrusive programs such as test pits or boreholes for installation of monitor wells and piezometers. A quick reconnaissance investigation can indicate areas requiring additional investigation and unwanted surprises.

**Current Activities:** Presently MultiVIEW Geoservices Inc. concentrates its marketing effort within Canada and the Northeastern USA, however international contracts have been awarded through CIDA and other international agencies for work in Belize, Hong Kong, and several sites in the Netherlands.

**Neles-Jamesbury Ltd.**

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1282 Algoma Rd.  
Ottawa, ON  
K1B 3W8

Tel: 613/746-2211      Fax: 613/746-0639

Contact: *Mr. Frank Brunet*  
*Director of Marketing*

AIR POLLUTION CONTROL  
RECYCLING  
WATER & WASTEWATER

*Control Valves*  
*Valves, Air*

**Company/Product:** Neles-Jamesbury Ltd. supplies industrial valves and related services to the process industries, most notably to pulp and paper manufacturers. The products are ball valves, butterfly valves, segment valves and linear globe control valves, together with valve actuators, limit switches, and other accessories. Valve design is based on quarter-turn technology. Neles-Jamesbury is one of the technology leaders in its field and one of the world's largest manufacturers of industrial valves. It offers an immense selection of rotary valves.

## **Norland Science & Engineering Ltd.**

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904 - 280 Albert St.  
Ottawa, ON  
K1P 5G8

Tel: 613/236-5876      Fax: 613/238-1734

Contact: *Mr. Dugald Wells*  
*President*

### **MONITORING**

#### **Audits/Assessments**

*Consulting (Engineering, Management)*  
*Engineering & Construction*  
*Geographic Information Systems Software*  
*High-Tech Surveying & Integrated Systems*  
*Information Management Systems*  
*Meteorological Instrumentation*  
*Project Management Services*  
*Public Consultants*  
*Remote Sensing*  
*Research Services*  
*Training Programs/Films/Books*  
*Transportation*

**Company/Product:** Norland Science and Engineering Ltd. was founded in 1981 to provide consulting services fields of sea ice and remote sensing. Scientific studies of the environment include ice, ocean, and weather climatology; engineering studies involve specification of environmental design criteria pertaining to marine transportation systems and vessel navigation. The company also has a strong operational focus, with expertise in project evaluations, user requirement studies, and training.

Norland has developed a strong global perspective on sea ice and remote sensing in polar regions through participation in several international projects.

**Current Activities:** Contacts are maintained with foreign polar research institutions and the company has worked in the USA, USSR and the Scandinavian countries. Major Canadian clients include: the Canadian government departments of the Environments, Transportation and Energy, Mines and Resources; Canarctic Shipping Company Ltd., Fleet Technology Ltd. and Mobil Oil Canada Ltd.

### **Northland Power**

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30 St. Clair Ave. W., 16th Floor  
Toronto, ON  
M4V 3A2

Tel: 416/962-6262      Fax: 416/962-6266

Contact: *Mr. John Brace*  
*Director, Business Development*

### **RECYCLING**

*Engineering & Construction*  
*Power Supply Services*  
*Recycling (Wood Waste)*

**Company/Product:** Established in 1987, Northland Power is a Canadian-owned company whose speciality is the development, financing, engineering, construction, and operation of independent power and cogeneration power plants. Northland's head office is in Toronto, but it also maintains permanent offices in Calgary and in northern Ontario at its operating plants. Northland has and is committed to improving the environment in every project that it undertakes.

Independent and cogeneration power plants provide reliable, efficient, environmentally friendly and cost competitive electricity and thermal energy to public utilities and private sector users. These types of power plants can clean up the environment by displacing energy production from polluting facilities or by solving specific environmental issues. An example of the latter is Northland's use of wood waste as part of the fuel supply for its operating plants to produce steam and electricity.

**Current Activities:** Northland Power has three operating projects in Canada. Northland Power has also entered into a joint venture for projects in Ukraine and is developing projects in Mexico, South America, and China. Northland is prepared to examine projects elsewhere as well.

**Contact Sought:** Northland Power would like to develop contacts with senior officials in the public and private sector. This would include officials from public utilities that desire the establishment of privately funded power projects, officials from industrial, commercial and institutional concerns, and officials from consulting, engineering or construction firms who would like to pursue power projects.

## **Numet Engineering Ltd. (NEL)**

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678 Neal Dr  
P.O. Box 1776  
Peterborough, ON  
K9J 7X6

Tel: 705/743-2708      Fax: 705/743-3216

Contact: *Mr. R.H. Beckett*  
*VP, Operations*

### **HAZARDOUS WASTE**

*Containers*  
*Filters, Strainers*  
*Transportation (Hazardous Waste)*

**Company/Product:** Founded in 1971, NEL has established itself as a supplier of high quality process equipment, custom machinery and tooling, industrial automation systems, and robotics based work cells. Environmental applications include the design and supply of filter vessels, strainers, process equipment, remote handling equipment, and transport packaging of radioactive and other hazardous materials.

NEL makes extensive use of computer based resources for engineering analyses, computer-aided design, as well as project control and reporting functions, and supplies services ranging from engineering conceptualization and detailed system design through to equipment installation and commissioning. Quality programs are in place at NEL to meet all of the quality needs of the nuclear, defence, and other industries.

NEL provides innovative and cost-effective solutions for a wide range of industrial and engineering problems and looks forward to continued growth through excellence.

#### **Nutech Environmental**

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511 McCormick Blvd.  
London, ON  
N5W 4C8

Tel: 519/457-2963      Fax: 519/457-1676

Contact: *Mr. Brian Butters*  
*General Manager*

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
WATER & WASTEWATER

*Air Pollution Control*  
*Catalysts*  
*Groundwater Treatment*  
*Odour Controls*  
*PCB Treatment Systems*  
*Photocatalytic Oxidation Systems*  
*Wastewater Treatment Services*  
*Water Pollution Control*

**Company/Product:** Nutech Environmental is a division of Nutech Energy Systems Inc. Nutech, incorporated in 1982, is a manufacturing and marketing organization with a proven record of developing products and bringing them to market. The company's growth rate is 25% per year with annual sales in excess of \$ 7 million.

Nutech Environmental manufactures TiO<sub>2</sub> Photocatalytic Systems which are designed to remove and destroy organic pollutants in air or water. The unique technology is based on a fixed Titanium Dioxide (TiO<sub>2</sub>) semiconductor catalyst. The process generates hydroxyl radicals which readily attack and destroy organic pollutants in air or water. Some of the many easily treated compounds include vinyl chloride, TCE, PCB's, BTEX, IPA, acetone, and PCE. Applications cover a broad range of remediation needs, from soil vapour extraction, plant manufacturing and air stripping emissions, to plant process water and ground water. The systems are designed to meet existing and future pollution regulations.

The technology is a destructive one, therefore there are no costly compounds to dispose of or regenerate. The systems work at the ambient temperature eliminating the costly process of heating or cooling pollutant streams. The portable, weathertight construction allows users to put

systems anywhere there is an electrical connection. Chemical free design permits unattended operation.

**Current Activities:** The majority of sales have been to industrial users in the U.S.A., Japan, Canada, and England.

**Contact Sought:** Nutech Environmental would like to develop contacts with environmental consultants, industrial plant engineers, and government agencies, who are tasked with the remediation of organic pollutants.

#### **Ontario Centre for Environmental Technology Advancement (OCETA)**

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1071 King St. West,  
Toronto, ON  
M6K 3K2

Tel: 416/345-8629      Fax: 416/345-9044

Contact: *Doug Mallet,*  
*Chief Executive Officer*

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
MONITORING  
NOISE POLLUTION CONTROL  
OIL SPILL  
RECYCLING  
RESOURCE MANAGEMENT  
SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

*Scientific/Technical Services*  
*Business Services*  
*Technology Development*

**Company/Product:** Assists small & medium sized enterprises in commercializing environmental technologies; plans to offer companies technology assessments; technical assistance, technology development, market assessment, business advisory services, regulatory information, financial advice, expert assistance, education & training, and information networking.

#### **Ontario Centre for Materials Research (OCMR)**

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#301, Carruthers Hall, Queen's University,  
Kingston, ON  
K7L 3N6

Tel: 613/545-6519      Fax: 613/545-6510

Contact: *Peter McGeer*  
*Managing Director*

RECYCLING  
HAZARDOUS WASTE  
SOLID WASTE  
RESOURCE MANAGEMENT

*Scientific/Technical Services*

**Company/Product:** Promotes leadership in the development of materials knowledge in Ontario through research & the

transfer of knowledge & technology to industry; funds industrially relevant research at Ontario Universities in polymers & plastics, biomaterials, metals & ceramics, electronic & optoelectronic materials, & in films, surfaces & coatings; supports a range of technology transfer activities.

#### Ontario Hydro

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700 University Avenue,  
Toronto, ON  
M5G 1X6

Tel: 416/506-3976      Fax: 416/506-3876

Contact: *Maurice F. Strong,*  
*Chairman & CEO*

ENERGY  
AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
MONITORING

*Utility Related Services*  
*Utility Technologies*

**Company/Product:** Ontario Hydro, through Ontario Hydro Technologies and Ontario Hydro International, is committed to extending its expertise in power sector technologies and management to the international marketplace. Ontario Hydro Technologies is a leader in developing and enhancing power system equipment and processes, plant rehabilitation, environmental protection, and sustainable development technologies. Ontario Hydro International Inc. is the corporation's representative in the international marketplace.

**Current Activities:** For 10 years, it has successfully marketed Ontario Hydro's skills and expertise, managing projects in more than 35 nations around the globe.

#### Optech Inc.

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100 Wildcat Rd.  
North York, ON  
M3J 2Z9

Tel: 416/661-5904      Fax: 416/661-4168

Contact: *Mr. S. Sizgoric*  
*Vice President*

MONITORING

*Analyzers (Gases)*  
*Detectors (Gases)*  
*Lidar*  
*Research Services*

**Company/Product:** Optech Inc. has been operating since 1974 in the field of applied laser and electro-optical technology. The Toronto based company specializes in developing laser radar systems and has designed and built a variety of such systems for industry, government, and university users. Optech Inc. develops customized systems

to meet particular client needs. Employing extensive capability in modern laser technology, the company has built systems using solid state, excimer, injection, and gas discharge lasers. Having extensive experience with computers and microprocessors, Optech Inc. can provide fully computerized systems when required. In addition, company personnel have many years experience in the development of rugged laser radar systems for field use in vehicles and aircraft.

Products and services include: consulting and design; R&D engineering; laser rangefinders; atmospheric lidar systems; underwater laser radar systems; laser radar systems; and electro-optical systems.

#### ORTECH International

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2395 Speakman Dr  
Mississauga, ON  
L5K 1B3

Tel: 416/822-4111      Fax: 416/823-1446

Contact: *Mr. Bill Fossen*  
*Client Services Officer*

AIR POLLUTION CONTROL  
MONITORING  
RECYCLING  
SOLID WASTE  
WATER & WASTEWATER

*Audits/Assessments*

**Company/Product:** Founded in 1928, ORTECH International is a broadly based technical services company. ORTECH helps industry to improve its environmental performance and reduce waste management costs through reduction, reuse, recycling and recovery. Competitive advantage comes from a multidisciplinary approach that includes expertise in the environmental sciences, product and process design and development, and materials technologies, especially in the electro-mechanical engineering and transportation sectors. The company is also a leader in emission control and alternative fuel technologies for light and heavy duty vehicles.

**Current Activities:** Although most export business is with the USA, ORTECH is also proactive in England and reacts to special opportunities in the rest of the world. In the USA, ORTECH's market targets include the transportation sector, the E.P.A., and the Department of Energy.

#### Patterson Industries (Canada) Ltd.

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250 Danforth Rd.  
Scarborough, ON  
M1L 3X4

Tel: 416/694-3381      Fax: 416/691-2768

Contact: *Mr. Mike Lindsey*  
*Sales Manager*

WATER & WASTEWATER

*Blenders*  
*Energy Recovery*  
*Evaporators (Wastewater)*  
*Heat Exchangers*  
*Mixers*

**Company/Product:** Patterson Industries (Canada) Limited designs and manufactures specialized process equipment for the chemical, food, coatings, and other industries. Patterson's products include complete turnkey resin and process systems, ballpebble and rod grinding mills, conical, double, and twin shell blenders, vacuum dryers, rotary dryers, heat exchangers, agitate (single and double motion) jacketed reactors and kettles, ribbon paddle and sigma-blade mixers, vibratory screens, portable and other mixing equipment, pressure vessels, tanks, custom machine work and the Patterson-Wanson Thermopac thermal fluid heater. The firm also designs and manufactures evaporators and evaporator systems for the treatment of wastewater.

**Current Activities:** Although approximately 30% of export sales represents sales to the USA, the company is also actively working with consulting engineering companies on projects in South Korea and China.

**Contact Sought:** Patterson Industries is interested in pursuing and developing more business in the USA as well as in the Pacific Rim region, South America, and the Middle and Far East.

#### **Philip Environmental Group**

651 Burlington St. E  
Hamilton, ON  
L8L 7W2

Tel: 416/544-6687      Fax: 416/547-1998

Contact: Mr. Rick G. Kozuck  
Marketing Manager

#### **RECYCLING**

*Emergency Response Services*  
*Hazardous Material Management/Services*  
*Laboratories, Testing/Mobile & Fixed*  
*Transportation (Hazardous Waste Disposal)*  
*Waste Transfer*

**Company/Product:** Philip Environmental processes industrial waste into raw material outputs, thereby diverting in excess of 350,000 tonnes annually from Ontario landfill sites. The company has since expanded its operations into curbside collection of recyclables & refuse, site remediation, laboratory services, trading of recycled commodities, consulting services, hazardous materials treatment and disposal, waste transfer, sanitary landfill site operations, and emergency spills response.

**Current Activities:** Philip is a vertically integrated company seeking to form strategic alliances and joint ventures at an international level that are consistent with sustainable development and world trade.

#### **Pollutech Environmental Ltd.**

768 Westgate Rd.  
Oakville, ON  
L6L 5N2

Tel: 416/847-0065      Fax: 416/847-3840

Contact: *Mr. Richard V. Laughton*  
*President*

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
MONITORING  
RECYCLING  
SITE RECLAMATION  
WATER & WASTEWATER

*Consulting Services (Engineering)*  
*Research Services*

**Company/Product:** Pollutech Environment Limited is an independent Canadian consulting firm employing specialists in environmental engineering, chemistry, and biology. The organization has investigated many complex environmental problems and proposed solutions for industrial and government clients across Canada and on an international scope. In addition, Pollutech evaluates industrial process and/or manufacturing methods that contribute to environmental problems, and recommends solutions to reduce waste, recover products, and increase efficiency. Pollutech has done considerable pioneering work in Canada in the environmental engineering and science fields. The experienced team of professional engineers, biologists, chemists, and technicians, supported by a competent laboratory staff, is well-qualified to tackle a broad range of environmental projects.

**Current Activities:** Pollutech Environmental Limited, through its international arm (Pollutech International Limited) provides a wide range of services around the world. The company has recently completed the optimization of a tannery waste treatment plant in Korea, the evaluation of five municipal treatment plants in Turkey, optimization of five treatment plants in Venezuela, and trouble-shooting at two distilleries in Nicaragua and Honduras. Pollutech Environmental Ltd. is active in Germany and Spain where it has completed assignments and is now working toward developing strategic alliances. Other projects have taken the company to the Caribbean, the African continent, and Asia. The company's input to the United States has been restricted to cooperative efforts with bordering industrial facilities.

**Contact Sought:** Pollutech International Ltd. has developed an excellent reputation for responding to international requests. The company would like to hear from small international firms that are interested in working cooperatively to optimize water and wastewater treatment facilities in their respective areas. Similarly, Pollutech International Ltd. is interested in industries or industrial consultants who need help solving environmental problems. It is not the company's intent to set up its own operations

in individual countries, but rather to work in conjunction with local consultants.

#### **PPM Canada Inc.**

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6 Chelsea Lane  
Brampton, ON  
L6T 3Y4

Tel: 416/790-7227      Fax: 416/790-7231

Contact: *Mr. Thomas Wass*  
*National Sales Manager*

#### **HAZARDOUS WASTE**

*Hazardous Material Management/Services*  
*PCB Treatment/Disposal*  
*Transportation (Hazardous Waste Disposal)*  
*Waste Transfer*

**Company/Product:** Incorporated in 1983, PPM Canada Inc. has offices in Montreal, Quebec; Brampton, Ontario; and Vancouver, B.C., and has a fixed facility in Regina, Saskatchewan. PPM Canada is a hazardous waste management company specializing in the transportation, analysis, and chemical destruction of PCB's.

PPM Canada has three mobile PCB chemical destruction units that travel across Canada. The company's units are innovative in design as they do not require heat or pressure to operate which subsequently allows the treatment of a wide range of PCB contaminated oils (transformer, lubricant oils, etc.). PPM's process operates on two forty foot trailers which allows the company to set up and be operating in approximately two hours.

**Current Activities:** PPM Canada is presently operating across Canada with a sister organization operating in the United States.

**Contact Sought:** Any company or utility having transformers would be a potential client of PPM Canada. All electric utilities are a prime focus of opportunity as well as any large industrial manufacturers (eg. petro-chemical companies, electric railways, etc.).

#### **Proctor & Redfern Ltd.**

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45 Green Belt Drive  
Don Mills, ON  
M3C 3K3

Tel: 416/445-3600      Fax: 416/445-5276

Contact: *Mr. Stuart G. Angus, P.Eng.*  
*President*

**HAZARDOUS WASTE**  
**RECYCLING**  
**SOLID WASTE**  
**WATER & WASTEWATER**

*Analytical Services*  
*Audits/Assessments*

#### **Site Clean-up Services**

*Computer Management Systems/Software*  
*Consulting Services (Management)*  
*Incinerators (Liquids, Waste)*  
*Independent Inspection*  
*PCB Treatment/Disposal*  
*Project Management Services*  
*Wastewater Treatment Services*  
*Water Pollution Control*  
*Water Purifiers*  
*Water Waterflood Injection & Treatment Plants*

**Company/Product:** Established in 1912, Proctor & Redfern Ltd. is one of Canada's oldest consulting engineering firms. It is a Canadian firm wholly owned by its employees. The firm consists of approximately 550 staff, of which some 275 have professional status. Proctor & Redfern operates from 13 offices in Ontario.

Proctor & Redfern Ltd. has technological expertise in the following areas: industrial/municipal water and wastewater treatment plant design, process optimization and operation, process audits, industrial pollution abatement, support to industries to aid in reduction of discharges to receiving waterbodies, environmental impact studies, hazardous waste cleanups, environmental assessment and approvals, analytical services, and sludge management.

Products developed by Proctor & Redfern Ltd. include feasibility studies, project management, contract preparation/administration, evidence and expert testimony, preliminary design/concepts, advisory services, tender call and review, liaison with approval authorities, development of the Proctor & Redfern Proportional Sampler for precisely determining the levels of consumption of metals in drinking water, development of Automated Breakline Technology software, innovative computer software programs, and a mobile PCB incineration program.

**Current Activities:** Presently, Proctor & Redfern Ltd. is operating in Canada, the United States, Bermuda, and the Caribbean.

**Contact Sought:** Proctor & Redfern seeks to develop alliances with major strategic partners in order to extract information, develop applications, and introduce them to the North American marketplace.

#### **Quatrosense Environmental Ltd.**

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5935 Ottawa St., Box 749  
Richmond, ON  
K0A 2Z0

Tel: 613/838-4005      Fax: 613/838-4018

Contact: *Mr. David M. Jenkins*  
*President*

**AIR POLLUTION CONTROL**  
**HAZARDOUS WASTE**  
**MONITORING**  
**SOLID WASTE**  
**WATER & WASTEWATER**

### **Air Quality Systems**

**Alarms**

**Analyzers (Gases)**

**Detectors (Gas)**

**Instrumentation Systems**

**Monitors (Air, Gases)**

**Remote Sensing**

**Sensors**

**Company/Product:** Quatrosense Environmental Ltd. (QEL) manufactures a broad range of toxic and combustible gas detection systems. The range includes the detection of toxins such as hydrogen sulphide, chlorine, ammonia, sulphur dioxide, carbon monoxide, as well as the detection of oxygen deficiencies/enhancements and other gases. In the combustible range, the detection of propane, butane, methane, natural gas, hydrogen, acetylene, etc. is possible. QEL's products have countless applications in virtually all commercial and industrial sectors where the presence of toxic or combustible gases is possible. QEL operates a complete research and development department and supplies approximately 85% Canadian content in all of its products.

QEL has recently expanded into the manufacturing of analyzers for emission and combustion processes. These products are used to optimize efficiency and reduce toxic and environmentally unacceptable components in exhaust from boilers, incinerators, and burners.

QEL operates a complete distribution network capable of supplying full sales and service support.

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### **R.P.A. Consultants Ltd.**

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303 - 2660 Southvale Cres.

Ottawa, ON

K1B 4W5

Tel: 613/737-9633      Fax: 613/737-5855

Contact: *Mr. Elliot W. Sherman*

*Senior Project Manager*

#### **HAZARDOUS WASTE**

**MONITORING**

**RECYCLING**

**SOLID WASTE**

**WATER & WASTEWATER**

#### **Consulting Services (Management)**

**Company/Product:** R.P.A. Consultants Ltd. is an independent, employee-owned Canadian company specializing in the provision of professional project and construction management, cost consulting, and scheduling services including all applicable management support services. The company was formed in 1969 and since then has had experience in all aspects of the management of a wide range of projects. R.P.A. has worked with a variety of government and private sector clients as well as a large number of architectural, interior design, and engineering

firms, together with numerous separate trade and general contractors.

With offices in Toronto and Ottawa, R.P.A.'s present staff complement totals over 50, including professional engineers, architects, technologists, project and construction managers, project coordinators, contract administrators, cost consultants, quantity surveyors, planners and schedulers, site supervisors, accountants, and clerical staff. Because R.P.A. does not perform design services or carry out construction directly with its own forces, it is completely independent and able to represent the best interests of the client at all times. R.P.A. has the in-house capabilities to provide clients with the most current technology in the fields of project planning, cost estimating, scheduling, cost control, cost reporting, project accounting, and contract administration. R.P.A. uses a variety of commercially available computer software packages with its own specialized cost reporting programs to ensure that all aspects of project and construction management control and client reporting requirements can be satisfied.

**Current Activities:** R.P.A. is involved in various environmental areas including water treatment, solid waste, and recycling projects and is currently active in the management of a major wastewater facility. R.P.A.'s international experience includes project and construction management assignments in the United States, Australia, Saudi Arabia, and Fiji. Other countries and areas currently being pursued include Latin America, the Pacific Rim, Malaysia, and Southeast Asia.

**Contact Sought:** R.P.A. would like to develop contacts in the public and/or private sector with individuals who are responsible for the overall direction of environmental projects involving water treatment, wastewater, solid waste, and recycling facilities. R.P.A. would also be interested in joint ventures or consortium relationships with companies that have the capability and interest of pursuing the overall development of major environmental infrastructure projects.

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### **R.V. Anderson Associates Ltd.**

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400 - 2001 Sheppard Ave. E.

Willowdale, ON

M2K 4Z8

Tel: 416/497-8600      Fax: 416/497-0342

Contact: *Mr. Ken Morrison*

*President*

#### **AIR POLLUTION CONTROL**

**HAZARDOUS WASTE**

**OIL SPILL**

**RECYCLING**

**RESOURCE MANAGEMENT**

**SITE RECLAMATION**

**SOLID WASTE**

**WATER & WASTEWATER**

#### **Audits/Assessments**

**Biological Wastewater Nutrient Treatment**

**Clean-up Services**  
**Composting**  
**Consulting Services (Engineering, Management)**  
**Emergency Response Services**  
**Groundwater Treatment**  
**Hazardous Material Management/Services**  
**Hydraulic Modelling & Research**  
**Independent Inspection**  
**Information Management Systems**  
**Infrastructure Management Systems**  
**Infrastructure Design**  
**Natural Resource Management**  
**Plating Waste Treatment**  
**Pollution Abatement Services**  
**Project Management Services**  
**Public Consulting**  
**Public Works Engineering**  
**Pulp & Paper Engineering/Technology**  
**Remediation Services**  
**SCADA Systems for Remote Monitoring & Control**  
**Site Clean-up Management**  
**Site Inspection**  
**Sludge Handling/Treatment**  
**Solid Waste Treatment Services**  
**Tanks, Treatment/Storage**  
**Technology Transfer & Licensing Office**  
**Television Sewer Inspection**  
**Training**  
**Transportation**  
**Wastewater Treatment Services**  
**Water Pollution Control**  
**Workshop Facilitation**

**Company/Product:** R.V. Anderson Associates Limited offers a comprehensive range of environmental, civil, and municipal consulting services, including planning and feasibility assessments, detailed design, construction supervision, and commissioning and operational support, as well as training and human resources development related to applied technologies.

R.V. Anderson Associates Limited operates primarily in the fields of water and wastewater, urban and regional water resources, environmental planning and assessment, structural and transportation engineering, and industrial and municipal solid/liquid waste management. The company has developed a strong capability in communications, strategic planning, and public consultation and education through managing and implementing a diverse range of environmental projects.

**Current Activities:** The company's services are provided through a number of branch offices and affiliates in Ontario and the Maritime Provinces. For overseas projects, strategic affiliations are formed with local professional firms and agencies according to the needs of the project and its execution agency. While R.V. Anderson is interested in developing its practice worldwide, Eastern Europe, Latin America, the Caribbean, Southeast Asia, and the Pacific have been identified as priority markets.

**Contact Sought:** The company seeks strategic partnerships with local firms and agencies in these areas. Inquiries on a project or relationship basis would be welcomed.

#### **Recovery Technologies Inc.** \_\_\_\_\_

612 - 5925 Airport Rd  
Mississauga, ON  
L4V 1W1

Tel: 416/672-9448      Fax: 416/673-8538

Contact: *Mr. Gary Moltershead*  
*Vice-President*

#### **RECYCLING**

#### *Recycling (Tire Recycling Equipment)*

**Company/Product:** Recovery Technologies Inc.'s primary physical asset is an industrial scale whole tire cryogenic recycling facility. This facility is located in a 30,000 sq. ft. plant on an industrial site in Cambridge, Ontario, and is possibly the only cryogenic whole tire recycling facility in North America. Recovery Technologies Inc. is a member of Group Venture Inc., a consortium of Canadian industrial companies. Recovery Technologies has experience in the design, engineering, and manufacturing of turnkey production machinery and has supplied industrial equipment to many customers in Canada and abroad.

Recovery Technologies Inc. develops and manufactures energy efficient cost competitive Cryogenic Whole Tire Recycling Systems for sale on a turnkey basis in Canada and abroad. The company also operates a whole tire recycling facility, processes scrap tires and related materials, and sells recovered rubber granules as well as produces new products using rubber granules as a raw material.

**Current Activities:** Currently, Recovery Technologies Inc. have sales in Italy, Switzerland, Mexico, and tentative sales for Scotland, the US, Korea, and Japan.

#### **Resource Integration Systems Ltd.** \_\_\_\_\_

2 - 400 Mount Pleasant Rd.  
Toronto, ON  
M4S 2L6

Tel: 416/480-2420      Fax: 416/480-2419

Contact: *Mr. Geoff Love*  
*Vice-President*

#### **RECYCLING** **SOLID WASTE**

#### *Consulting Services (Engineering, Management)* *Recycling* *Training Programs/Films/Books*

**Company/Product:** Resource Integration Systems Ltd. (RIS), established in 1977, specializes in waste management, energy conservation, and training. Its proven expertise covers all aspects of the reduction and recovery of municipal,

commercial and industrial waste. The company has provided a full range of consulting services to manufacturers, private waste haulers, recyclers, municipalities and senior government agencies in strategic planning, technical and market research, feasibility studies, materials processing centre design, policy research and development, as well as program evaluation, design, and management.

The company played a key role in the design of one of the most cost effective, one-operator recycling trucks currently in operation in dozens of municipalities across North America. RIS has helped to broaden the scope of waste reduction and recovery as a component of municipal waste management master plans. The firm has launched multi-material recycling programs which have maintained participation rates and material recovery levels that are now setting standards for all of North America. The firm has also pioneered the development of certain regional industrial waste reduction programs.

**Current Activities.** Through its offices in Portland, Los Angeles, and Brussels, RIS has worked on projects in several North America cities and six European countries.

#### **Resource Systems Management**

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133 Wynford Dr  
North York, ON  
M3C 1K1

Tel: 416/441-4111      Fax: 416/441-4131

Contact: *Mr. Stephen Fagyas*

HAZARDOUS WASTE  
MONITORING  
OIL SPILL  
SITE RECLAMATION  
RECYCLING  
RESOURCE MANAGEMENT  
SITE RECLAMATION  
SOLID WASTE

#### *Consulting Services (Management)*

*Multi-Disciplinary Services  
Natural Resource Management  
Project Management Services*

**Company/Product** Resource Systems Management International Inc. (RSMI), is a firm of consulting environmentalists, economists, management consultants, and tourism planners. The company's principals have over 60 years of combined consulting experience in Canada and overseas. RSMI provides consulting services in:

Environmental Sciences  
Impact assessment, fisheries, forestry, waste disposal, environmental standards and policies;

Planning  
Design, industrial, site analysis; and

Management Consulting

Market analysis, commercial development, project management, training, and tourism.

**Current Activities:** Public sector/government agencies, private developers, industries, and municipalities are among RSMI's clientele. RSMI's senior staff have consulting experience in 40 countries. Engineering support services are provided by its parent company, Delcan Corporation. RSMI's project have been conducted across Canada, the U.S., Asia, the Caribbean, Turkey, and South America.

#### **Rocvent Inc.**

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55 Magill St.  
Walden Industrial Park,  
Lively, ON  
P0M 2E0

Tel: 705/692-5854      Fax: 705/692-9044

Contact: *Bernt Ivarsson*

OIL SPILL  
HAZARDOUS WASTE

*Booms, Spill Control*

**Company/Product** Manufacturer with R&D facilities, for welding of fibre reinforced thermo-plastics. Products manufactured are various types of oil containment booms as well as holding tanks to compliment the boom systems. On-going research of new materials and products ensures up to date technology for our customers.

#### **Rowan Williams Davies & Irwin Inc.**

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650 Woodlawn Rd West  
Guelph, ON  
N1K 1B8

Tel 519/823-1311      Fax. 519/823-1316

Contact: *Mr. Bill Rowan  
President*

AIR POLLUTION CONTROL  
MONITORING

*Audits/Assessments  
Monitors, Air*

**Company/Product:** Rowan Williams Davies & Irwin Inc. (RWDI) is a consulting engineering firm specializing in environmental studies. The company uses its expertise in physical modelling and instrumentation to conduct a number of environmental studies. The laboratory in Guelph, Ontario was established in 1972 to conduct scale model studies which provide answers to problems associated with wind, snow, and airborne pollutants.

The firm's environmental services include: emission inventories and audits, exhaust gas and odour dispersion studies, air quality field monitoring, air quality assessments, fume hood testing, and risk assessments. These services are conducted through the use of consultations, numerical

modelling, field monitoring, and scale model testing in the firm's boundary layer wind tunnels.

**Current Activities:** RWDI's services have been applied in Canada, the USA, Mexico, Saudi Arabia, Indonesia, Spain, and Germany, through industrial and governmental clients.

#### Royal Pipe Company

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5885 Hwy #7  
Woodbridge, ON  
L4L 1T9

Tel: 416/856-7550      Fax: 416/856-4367

Contact: *Mr. Dale I. Findlay*  
*General Manager, Exports*

#### WATER & WASTEWATER

##### *Pipes, Valves, Fittings*

**Company/Product:** Royal Pipe is a young, aggressive, manufacturing organization producing a complete range of ABS and PVC plastic pipes which are used in the electrical, communications, municipal, industrial, and housing markets.

Although the company was established in 1987, it has grown rapidly to become one of the leading Canadian suppliers of these products. The firm's employees have an average of twenty years experience in the marketing, sales, and production fields.

The company is capable of producing over fifty million dollars worth of plastic pipe annually at its Woodbridge, Ontario plant. Its current plans are to add an additional plant in Quebec and/or Alberta.

**Current Activities:** Current exports are primarily to the USA where the company is represented by a sales agent in the state of New York. This activity is primarily in the water, sewer, electrical, and telephone ducting fields.

The company has obtained certification which allow it to market its products to the municipal utility field.

**Contact Sought:** The company is interested in doing viability studies in other world markets to establish the feasibility of exporting its products. Particular interest initially is in the Caribbean and Central and South America.

#### Sault College of Applied Arts & Technology

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Box 60, 443 Northern Ave.  
Sault Ste Marie, ON  
P6A 5L3

Tel: 705/759-6774      Fax 705/759-1319

Contact: *Mr. Robbins*  
*Dean, Science & Natural Resources*

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
MONITORING  
RECYCLING  
SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

#### *Training Programs/Films/Books*

**Company/Product:** The Sault College of Applied Arts and Technology is a post secondary educational institution located in Sault Ste Marie, Ontario. The School of Sciences and Natural Resources' geographical location is ideal for interfacing with natural and industrial settings. The Algoma district is home to many natural resource agencies such as The Great Lakes Forestry Centre, St. Mary's Paper Inc., Ontario Forest Research Institute, and municipal and provincial fish hatcheries, as well as several parks and forest reserves.

The college has provided courses for a number of years in air pollution control, water and wastewater, solid and hazardous waste, monitoring, recycling, pulp and paper, and site reclamation. Courses range from introductory to professional development, and on-site training of staff or management in environmental management techniques is available.

**Current Activities:** The college has been involved in the development of operation and training manuals for private pulp and paper mills in Ontario and Quebec. Environmental training and education projects have been undertaken as far away as Zambia.

**Contact Sought:** The college would like to develop contacts with any private or public sector persons who require training or education in any of the environmental fields.

#### Scicorp Systems Inc.

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Suite 201  
19 Churchill Drive  
Barrie, Ontario  
L4M 6E7

Tel: 705/733-2626      Fax: 705/733-2618

Contact: *Robert Denis, P.Eng.*  
*Project Manager*

HAZARDOUS WASTE  
WATER & WASTEWATER  
SOLID WASTE

**Manufacturing/Distribution  
Research & Development**

**Company/Product:** SciCorp Systems Inc. manufactures and distributes a complete innovative line of environmentally sound wastewater and waste treatment products under the BIOLOGIC™ brand name. Through global representation, SciCorp's family of BIOLOGIC™ brand products, have established new standards in waste and waste treatment and are continuously proving to be a highly effective and environmentally sound alternative to increasing treatment efficiency with no capital costs. These products offer rapid solutions through a formulation of micronutrients that facilitate the predominance of bacteria populations which are most desirable for biodegrading and remediating wastewater, sludge, compost and other organics associated with waste handling facilities.

Enquiries regarding distributorships, partnerships and/or joint ventures by all levels of government, non-government industries and organizations are welcome.

**Sciex** \_\_\_\_\_

55 Glen Cameron Rd  
Thornhill, ON  
L3T 1P2

Tel: 416/881-4646      Fax: 416/881-9832

Contact: *Dr. William Stott*  
*TAGA Product Manager*

**MONITORING**

*Analyzers (Gases, Liquids)*  
*Data Acquisition/Processing*  
*Detectors*  
*Effluent Bio-Assays*  
*Emergency Response Equipment*  
*High-Tech Surveying & Integrated Systems*  
*Instrumentation Systems*  
*Laboratories, Testing/Mobile & Fixed*  
*Mass Spectrometry Equipment*  
*Meteorological Instrumentation*  
*Monitors (Air, Gases, Liquids)*  
*Research Services*

**Company/Product:** Sciex was founded in 1978 but since being acquired by MDS Health Group Ltd. in 1981 operates as a division of MDS. MDS is a wholly owned Canadian company. Sciex designs, develops, manufactures, and markets mass spectrometry-based products for trace organic and inorganic analysis. The company is committed to advancing its state-of-the-art technology through a continuing commitment to research and development and an emphasis on quality in all aspects of the products that are produced. Sciex is a recognized leader in the field of high technology mass spectrometry.

Sciex has three main mass spectrometry (MS) product lines including the Taga, the Elan, and the API III. The Taga is primarily an environmental tool used to detect and quantify trace atmospheric gases using a patented atmospheric

pressure chemical ionization (APCI) source and a tandem mass spectrometer. The Elan is used to analyze inorganic compounds and is based on combining inductively-coupled plasma ionization with mass spectrometric analysis. An offshoot of the Taga is an APCI system called the Aromatic which is dedicated to the detection of both explosive and drug contraband materials. The API III is focused on the analysis of liquid samples that are introduced to the spectrometer by unique liquid chromatographic techniques.

**Current Activities:** Taga sales either in a mobile or a laboratory form have been to governmental environmental agencies or to contract laboratories in Canada and the U.S. Aromatic sales have been to Europe and the Far East but there are important opportunities available in the United States. The Elan and the API III are marketed worldwide through a joint venture with Perkin-Elmer. Sales are primarily focused in the U.S., Europe, the Far East, and Australia. Elan sales have been to governmental agencies, research laboratories, and consulting firms while API III sales have been to research and quality assurance laboratories in government and the biotech and pharmaceutical industries.

**Contact Sought:** Sciex would like to develop contacts with senior individuals in the public and private sector who are responsible for air or liquid analysis, especially those interested in research, emergency response, site characterization, and quality control.

**Sensors & Software Inc.** \_\_\_\_\_

5566 Tomken Rd  
Mississauga, ON  
L4W 1P4

Tel: 416/624-8909      Fax: 416/624-9365

Contact *Mr Steve Cosway*  
*General Manager*

**MONITORING**  
**OIL SPILL**  
**WATER & WASTEWATER**

*Data Acquisition/Processing*  
*Geophysical Equipment*  
*Laser Radar*

**Company/Product:** Sensors and Software Inc.'s primary products are the pulseEKKO series of ground penetrating systems. The all-digital system offers operating frequencies which range from 10 MHz to 1000MHz. Applications encompass a wide variety of subsurface investigations as well as non-destructive testing of man-made structures. The pulseEKKO radar systems include an integrated software environment for data display and report quality plotting in black and white and in colour. Based on leading-edge technology, the pulseEKKO systems are known worldwide for their performance and data quality.

### **Septo-Clean Company Ltd.**

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Waites Rd., R R. #7  
Brighton, ON  
K0K 1H0

Tel: 613/475-3300      Fax:

Contact: *Mr. R.D. (Ron) Gibson*  
*General Manager*

#### **SOLID WASTE WATER & WASTEWATER**

*Biological Wastewater Nutrient Treatment*

*Odour Controls*

*Sludge Handling/Treatment*

*Wastewater Treatment Services*

**Company/Product:** Septo-Clean Company Limited produces natural source, environmentally safe products for the treatment of human and animal wastes. The company manufactures its products in Brighton, Ontario and products are sold through retail stores and directly to commercial operations such as motels, campgrounds, and other food processing establishments.

Products presently sold include the original Septo-Clean for treatment of septic tanks and food wastes, Septo-Clean RV for treatment of mobile holding tanks, and MAN-U-GEST for treatment of animal wastes. All products are designed to increase the rate of digestion, eliminate odours, and reduce residual solids (sludge).

**Current Activities:** Septo Clean sells product in Canada, the USA, and the Philippines.

**Contact Sought:** Septo-Clean is interested in pursuing the export market on two fronts: sale of products to food processing plants for odour control and more efficient waste digestion and sales to public health sectors where advanced waste treatment facilities are not available. The company would welcome contact from overseas companies interested in working in these fields.

### **Sherex NGV Inc.**

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6 - 4180 Morris Dr.  
Burlington, ON  
L7L 5L6

Tel: 416/639-7701      Fax: 416/639-9537

Contact: *Mr. John Heenan*  
*Vice-President, Marketing*

#### **AIR POLLUTION CONTROL**

*Alternative Fuel Systems*

*Consulting Services (Engineering)*

*Gas/Liquid/Solid Separation Equipment*

*Hydrocarbon Processing*

*Natural Gas Vehicle Refuelling Stations*

*Oil Production & Refinery*

**Company/Product:** Sherex Industries Limited, located in Burlington, Ontario with branch offices in Montreal, Quebec and Lancaster, New York, is a full service manufacturer, designer, and distributor of high pressure pneumatic products for the hydraulic, pneumatic, and gas industries. One of the firm's main product lines is compressed natural gas fuelling connectors for the automotive alternate fuel industry.

Sherex vehicle fuelling devices range from overnight fuelling to self-serve public stations, and highflow applications such as that for buses. Other products include automated internal combustion engine test connectors and special cutting and welding equipment.

**Current Activities:** Sherex sells its products to countries worldwide including Argentina, the USA, Australia, New Zealand, Malaysia, Indonesia, Russia, Holland, Sweden, and Italy.

**Contact Sought:** Sherex would like to contact senior individuals responsible for the growth of and standards for NGV industries. The company would also like to identify potential licensees who have the capability and interest to market and service plants in Southeast and South Asia and in the CIS countries.

### **Shred-Tech Ltd.**

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P.O. Box 1508  
Cambridge, ON  
N1R 7G8

Tel: 519/621-3560      Fax: 519/621-0688

Contact: *Mr. John K. Bell*  
*Chairman*

#### **HAZARDOUS WASTE RECYCLING SOLID WASTE**

#### **Shredders/Crushers**

**Company/Product:** Shred-Tech designs and manufactures shredding and recycling systems for industrial, commercial, and municipal applications. These systems are designed to handle municipal waste, plastics, metals, tires, and hazardous waste. For security applications, the firm can provide high volume shredders in fixed and mobile types.

**Current Activities:** Shred-Tech exports to the USA, the UK, Europe, and the Far East. Engineering design and sales are done through the Canadian head office.

## **Simcoe Engineering Group Ltd.**

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345 Kingston Rd.  
Pickering, ON  
L1V 1A1

Tel: 416/509-2285      Fax: 416/509-1361

Contact: *Mr. Donald Crane*  
*President*

### **WATER & WASTEWATER**

#### **Audits/Assessments**

*Consulting Services (Engineering)*  
*Engineering & Construction*  
*Project Management Services*  
*Public Works Engineering*

**Company/Product:** Simcoe Engineering Group Limited, established in 1974, provides multidisciplinary services to both public and private sector clients across Canada and abroad. The Simcoe organization provides services for the development, design, and construction supervision of large-scale and complex projects, such as water supply, wastewater treatment, stormwater management, bio-hazard facilities, and advanced control systems.

The company also undertakes environmental studies, engineering reports, process testing, research, field programs, and fault detection and correction of instrumentation and control systems.

## **Smart Turner Pumps**

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191 Barton St. E., P O. Box 2027  
Hamilton, ON  
L8N 3S8

Tel: 416/527-4567      Fax: 416/527-7173

Contact: *Mr. N.P. Flanagan*  
*International Sales Manager*

### **SOLID WASTE** **WATER & WASTEWATER**

*Mixers*  
*Pumps*  
*Pump Parts*  
*Pumps, Sludge*

**Company/Product:** Smart Turner is a company with over 100 years of experience in the design and manufacture of centrifugal and reciprocating pumps and mixers.

The company manufactures general purpose industrial pumps in end-suction configuration for process or utility services. The company also produces a unique end-suction, multi-stage centrifugal pump range suitable for boiler feed and other demanding high head services, and vertical sump and vertical cantilever pumps for process or service fluids, particularly in the auto, steel, and industrial paint industries. Non-clog and double-suction pumps for industrial or municipal services are also available.

**Current Activities:** Currently Smart Turner markets its products in the USA, Cuba, Jamaica, and Puerto Rico and is interested in industrial pump representation in the rest of the Caribbean and Central America.

**Contact Sought:** Since the firm's pumps are generally sold to the end user with a structural base and an electric motor, and both these items are widely available throughout North America, the company would be best represented by a company on a buy/sell arrangement whereby the pump is provided by Smart Turner and the motor and base are obtained locally.

Smart Turner is interested in any marketing leads for its products in the USA, Mexico, Trinidad and Tobago, the Dominican Republic, Haiti, Bermuda, Barbados, and all of Central America.

## **Solarchem Enterprises Inc.**

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130 Royal Crest Crt.  
Markham, ON  
L3R 0A1

Tel: 416/477-9242      Fax: 416/477-4511

Contact *Mr Peter Smith*  
*Vice-President, Marketing*

### **AIR POLLUTION CONTROL** **WATER & WASTEWATER**

*Air Pollution Control*  
*Groundwater Treatment*  
*Leachate Treatment*  
*Ultraviolet Light Oxidation Systems*  
*Water Pollution Control*

**Company/Product:** Solarchem Environmental Systems is one of Canada's pre-eminent companies in UV-based oxidation and advanced photochemical technology for environmental applications. Its highly qualified staff is dedicated to the development, manufacture, and marketing of advanced environmental protection and remediation processes. Patented and proprietary processes are incorporated in the Rayox system, which is best suited to wastewaters in which the influent concentration of organics is 10,000 ppm or less. This technology offers practical and economical solutions to enable a wide range of users and waste generators to meet increasingly stringent environmental, safety, and quality requirements.

**Current Activities:** Over 80% of sales are exported, mostly to the United States, to the chemical, oil and gas, explosive, aerospace, and other industries which discharge wastewaters. While the majority of the systems are in the USA and Canada, Rayox systems are also installed in Europe, Southeast Asia, and Australia.

**Contact Sought:** Solarchem would like to identify potential representatives/licensees in Northern Europe and Pacific Rim countries, and investors/partners who are currently well-established in the organic air emissions control business

with a view towards cooperative marketing of Solarchem's technology.

#### Solinst \_\_\_\_\_

515 Main St.  
Glen Williams, ON  
L7G 3S9

Tel: 416/873-2255      Fax: 416/873-1992

Contact: *Jean Belshaw*  
*Marketing Manager*

#### MONITORING WATER & WASTEWATER

*Groundwater Monitors*  
*Hydrogeological Instrumentation*

**Company/Product:** Since 1980, Solinst has manufactured high quality hydrogeological instrumentation designed to obtain groundwater samples and hydraulic parameters. Included in the firm's product list are groundwater samplers, water level indicators, oil/water interface probes, piston core samplers, piezometers, and complete monitoring systems, including multi-level systems.

This equipment is used to monitor groundwater wherever actual or potential pollution occurs, and to establish the need for and success of remediation programs. Other applications are in site investigation, storage and production site monitoring, spill sites, mine tailings, potable water recharge areas, landfills, hazardous waste sites, and remediation sites.

Typical clients are consultant hydrogeologists, geotechnical engineers, government regulators, departments of environment, water supply stations, the armed forces, well drillers, landfill and hazardous waste site operators, and any industries which handle or store potentially hazardous materials.

#### SRD Sustainable Resource Development Inc. \_\_\_\_\_

605 - 222 Somerset St. W  
Ottawa, ON  
K2P 2G3

Tel: 613/234-6234      Fax: 613/563-9621

Contact: *Mr. Peter Higgins*  
*Vice-President*

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
MONITORING  
OIL SPILL  
RECYCLING  
RESOURCE MANAGEMENT  
SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

*Analytical Services*  
*Audits/Assessments*

*Composting*  
*Consulting Services (Engineering, Management)*  
*Geographic Information Systems Software*  
*Infrastructure Design/Strengthening*  
*Multi-Disciplinary Services*  
*Pollution Abatement Services*  
*Project Management Services*  
*Public Consulting*  
*Site Clean-up Management*  
*Site Inspection*  
*Training Programs/Films/Books*  
*Wastewater Treatment Services*  
*Water Pollution Control*

**Company/Product:** Established in 1985, SRD Sustainable Resource Development Inc. has extensive experience implementing environmental and natural resource management projects which address concerns for sustainable development. The company provides services in bioresource inventories, socioeconomic surveys, environmental monitoring, environmental impact assessments, environmental conservation strategies, environmental protection policies, environmental audits, and sustainable resource planning and environmental management.

SRD can assist national or provincial governments in the development and review of policies and practices, provide training in institutional strengthening and capacity building, and facilitate the appropriate technology to solve environmental problems.

**Current Activities:** The multidisciplinary team of 30 professionals have conducted feasibility studies in Canada and in over 20 countries in Africa, Asia, and South America.

**Contact Sought:** SRD primarily serves international development agencies and government agencies in identifying, preparing, delivering, and evaluating resource development projects. The company would also like to develop contacts with private companies with a view to establishing overseas alliances for joint marketing and delivery of services in these fields.

#### Staveley Weighing & Systems Canada Inc. \_\_\_\_\_

230 Edward St., P.O. Box 545  
Aurora, ON  
L4G 3L6

Tel: 416/727-8325      Fax: 416/727-8807

Contact: *Mr. Ewart Kingsbury*  
*Export Sales Division*

#### MONITORING

*Scales/Weighing Equipment*

**Company/Product:** Staveley is an amalgamation of Aurora Weigh-Tronix Inc. and Howe Richardson Inc., both long established designers and manufacturers of scales and weighing equipment and systems in Canada. The company has sales and services offices located in Vancouver,

Winnipeg, Windsor, Toronto (Aurora & Mississauga), Montreal (Pointe Claire), Quebec City, and Halifax, along with service locations and a strong dealer network in every Canadian province.

Staveley has long been a supplier of scales and data collection systems to water treatment plants, sewage treatment plants, solid waste transfer stations, landfill sites, and recycling centres. Staveley manufactures a complete line of truck scale, with sizes and capacities to suit both high volume locations as well as locations within areas of lower population density which put less demand on solid waste disposal sites. Also produced by Staveley is the PDOX Waste Management System which is a computer software data management system for landfill, recycling, and scrap operations. Smaller scales for chlorine and other chemicals are also manufactured by Staveley.

Staveley has built its business with a dedicated group of highly skilled people who produce good quality products.

**Current Activities** Staveley also operates in the United States, the United Kingdom, Germany, France, Italy, and Australia and is active worldwide.

**Contact Sought** Staveley would like to develop contacts with individuals who design and develop landfill sites, solid waste transfer stations, incinerators, water treatment plants, and sewage treatment plants.

#### **Stone & Webster Canada Ltd.**

2300 Yonge St.  
Toronto, ON  
M4P 2W6

Tel: 416/932-4400      Fax: 416/482-2865

Contact: Mr. R L Baird  
*Vice President, Environmental Technology & Science*

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
RECYCLING  
SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

*Audits/Assessments*  
*Consulting Services (Engineering)*  
*Project Management Services*

**Company/Product:** Stone & Webster Canada Limited was federally incorporated on July 7, 1950 and is a member of the worldwide group of Stone & Webster Companies established in 1889.

Stone & Webster Canada Limited provides design, consulting engineering, procurement, and construction and project management services for the following industries: petroleum refining; chemical and petrochemical; brewing, fermentation, and distilling; fossil and nuclear power generation; iron and steel; pulp and paper; sports and recreation; institutional; and manufacturing.

**Current Activities** Stone & Webster Canada Limited has access to many proprietary processes and considerable development work through its associations, its affiliation with other Stone & Webster companies, and with specialty consultants in Canada, the USA and abroad. As a member of the worldwide Stone & Webster group of companies, Stone & Webster Canada Limited can call upon the resources of expertise available from other parts of the Stone & Webster organization worldwide.

#### **Sussex Environmental Services Inc.**

1095 Crumlin Rd, P O Box 3055  
London, ON  
N6A 1J2

Tel: 519/659-7271      Fax: 519/659-7420

Contact *Mr Jeffrey C Tucker*

HAZARDOUS WASTE  
SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

*Audits/Assessments*

*Site Clean-up Management*  
*Consulting Services (Engineering, Geological & Petroleum)*  
*Engineering & Construction*  
*Geophysical Services*  
*Geotechnical Studies*  
*Hydrogeological Surveys*  
*Multi-Disciplinary Services*  
*Pollution Abatement Services*  
*Project Management Services*  
*Remediation Services*  
*Site Clean-up Management*  
*Site Inspection*  
*Solid Waste Treatment Services*  
*Training Programs/Films/Books*  
*Wastewater Treatment Services*

**Company/Product:** Sussex Environmental Services Inc. provides cost effective services including property audits and remedial clean-up to industry, governments, and developers.

The remedial program management services include: design, evaluation, regulatory liaison, tender specifications, and project management. Expertise includes agrology, toxicology, hydrogeology, biology, and geotechnical engineering. The firm has also conducted several literature and database searches for associations and industry. Sussex also has associated access to facilities for supercritical extraction, bio-insecticides, biosensors, advanced fermentation, and microbial degradation research.

**Current Activities** Sussex has active projects in various applications in Canada, Germany, and Mexico.

**Contact Sought** Sussex would like to develop contacts with small- to medium-sized international developers, lenders, and industrial firms that are interested in environmental

management plans and risk assessments. The company would also like to identify potential strategic alliances or joint ventures with engineering firms in other countries.

#### Tallon Metal Technologies Inc.

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67 Watson Rd. S. Unit 4  
Guelph, ON  
N1H 6H8

Tel: 519/766-9160      Fax: 519/766-9170

Contact: *Mr. Bruce E. Holbein*  
*President*

HAZARDOUS WASTE  
SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

*Absorbents*  
*Chemicals, Treatment*  
*Clean-up Services*  
*Decontamination Systems*  
*Inspection (Soil)*  
*Leachate Treatment*  
*Pilot Plants for Process Research*  
*Plating Waste Treatment*  
*Remediation Services*  
*Technology Transfer & Licensing Office*  
*Soil Treatment/Reclamation*  
*Solar Photovoltaic Power Systems*  
*Wastewater Treatment Services*

**Company/Product:** Tallon is a privately owned Canadian corporation incorporated in 1987. The company was established in Montreal and now has an office in Guelph, Ontario. Tallon's corporate mission is to achieve sustainable profitability by commercial application of ethical technologies for the abatement and recovery of pollutants. The company was established in Montreal to develop commercial applications for a series of patented heavy metal recovery compositions marketed as Virokele™. Tallon manufacturer and installs automated industrial waste solution treatment systems. It also has designed, built, and operated a 200 tonne per day soil remediation plant, which successfully treats lead and arsenic contaminated soils. Tallon's major area of expertise is physical and hydrometallurgical capture of heavy metals from industrial wastes and industrially contaminated soils. Tallon is convinced that a remediation methodology involving treatment to remove and recover contaminants is the best way to eliminate past, present, and future sources of harmful industrial by-products. Technology research and process development is an important on-going activity of the company.

Tallon has recently formed a joint venture company, Tallon Environment Inc. in conjunction with Beaver Asphalt Inc. which provides fully integrated soil remediation services to the province of Quebec. Tallon is also completing treatability and process design studies on heavy metal and hydrocarbon contaminated soils and sediments in Ontario. Tallon directs its marketing efforts

toward projects where remediation is a short term objective, specifically those where treatment is a serious option under consideration by the client.

**Current Activities:** Tallon through its facilities in Montreal and Guelph presently offers industrial waste treatment and on-site soil remediation services predominantly to Quebec, Ontario and the northeastern United States.

**Contact Sought:** Tallon is seeking strategic alliances with companies active in the environmental or civil engineering/construction sectors with access to site remediation projects in their region or territory. Companies with project management experience, sound financial credentials, and the desire and will to develop site remediation as an important business activity are of particular interest. Tallon will also participate in multiple partner bids where expertise with heavy metals may add support to a full remediation proposal.

#### Tanknology Canada (1988) Inc.

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2650 Meadowvale Blvd., Unit 12A  
Mississauga, ON  
L5N 6H5

Tel: 416/819-8811      Fax: 416/819-8810

Contact: *Mr. Mark Beland*  
*General Manager*

#### MONITORING

*Audits/Assessments*  
*Data Acquisition/Processing*  
*Detectors*  
*Laboratories, Testing/Mobile & Fixed*  
*Leak Detectors/Prevention*  
*Remote Sensing Sensors*  
*Site Inspection*

**Company/Product:** Tanknology Environmental, Inc. and its subsidiaries provide a range of environmental services nationwide to owners of underground storage tanks (USTs). These services have the goals of detecting, predicting, and preventing environmental pollution caused by failure of these tanks. Services provided by the company include tank tightness testing, corrosion protection, site assessments, UST upgrades, and monitoring of well installations. These services are designed to protect groundwater from contamination and are mandated by federal and state regulations throughout the United States. Tank tightness testing by major tank owners also is motivated by a desire to minimize liability arising from tank ownership. The company's VacuTect tank tightness testing system is generally accepted as one of the technological leaders in this field. Unlike volumetric test methods that infer leaks from changes in product volume, VacuTect is innovative in that it applies a slight vacuum to tanks and then positively identifies the ingress of air or water into the tank through any existing leaks. Tanks can therefore be tested without being filled, a major convenience and cost-saving feature for Tanknology's customers.

**Current Activities:** Maintaining its leadership through research and development of new processes, the acquisition of new technology, expansion into promising related businesses, and a consolidation of these technologies into one of the most cost-effective combinations of high-quality services offered in the United States and abroad are the primary missions of the company. Internationally, Tanknology provides UST testing services for many of its multinational customers based in the United States.

#### Techstar Plastics Inc.

15400 Old Simcoe Rd.  
Port Perry, ON  
L9L 1L8

Tel: 416/985-8479      Fax: 416/985-0265

Contact: *Mr. Bill Barnes*  
*President*

#### RECYCLING

*Containers (Drums)*  
*Material Handling Containers*  
*Source Separation Containers*  
*Waste Paper Carts*

**Company/Product:** Established in 1978, Techstar Plastics Inc. is an employee-owned plastic rotational moulder. The firm has grown steadily and for the past 5 years has enjoyed the ownership of a 22,000 square foot factory in Port Perry, Ontario. Techstar prides itself of the high quality of its people, products, and services and value offered. The commitment to constantly increasing levels of service has earned Techstar a reputation for being a leader in Canada for the supply of material handling and recycling containers.

Techstar has developed a complete line of source separation containers for use by industrial, commercial, and institutional customers. The Techstar Bullseye line allows for easy separation of materials such as cans, bottles, paper, polystyrene, drink boxes etc. Detailed labelling and design are the basis for high customer acceptance to this product. Simple to install and use, Bullseyes can be put almost anywhere.

**Current Activities:** Techstar Plastics Inc. has literally sold thousands of Bullseyes and other recycling products across Canada and is currently penetrating the US market. Customers include recyclers, sanitation suppliers, plant and office cafeterias, hospitals, universities, and other government institutions.

**Contact Sought:** Techstar Plastics Inc. would like to develop contacts with the recycling coordinators of these industries in all countries where recycling is a key issue.

#### Terrafix Geosynthetics Inc.

425 Atwell Drive  
Rexdale, ON  
M9W 5C4

Tel 416/674-0363      Fax: 416/674-1159

Contact: *E. Edgar*  
*Vice President*

HAZARDOUS WASTE  
RESOURCE MANAGEMENT  
SOLID WASTE  
WATER & WASTEWATER

#### Geotextiles

**Company/Product:** Since 1973, Terrafix has been dedicated to offering owners, engineers, and contractors a choice of geosynthetic products and innovative technology. Terrafix offers services which include design assistance, factory fabrication, and installation of a wide range of geosynthetic products.

Services include slit and construction fencing, access roads, landfill sites, containment ponds, seeding and erosion control, railways, erosion protection, and tank farms.

#### Thomson & Nielsen Electronics Ltd.

1050 Baxter Rd.  
Ottawa, ON  
K2C 3P1

Tel: 613/596-4563      Fax: 613/596-5243

Contact: *Mr. David Smith*  
*Marketing Director*

#### MONITORING

##### *Radon Monitors*

**Company/Product:** Thomson and Nielsen (TN), founded in 1984, specializes in the design and manufacture of instrumentation for the detection and measurement of ionizing radiation. TN-designed radiation detection instruments incorporate proprietary semiconductor designs optimized for sensing alpha, beta, gamma, and X-ray radiation, depending on the application. Now an associate of MDS Health Group, the company concentrates primarily on instruments for both medical and environmental applications.

The product line includes radon monitors for residential testing, research, occupational safety and environmental surveys. Also marketed are the dosimeter systems for radiotherapy, radiation research, personal dosimetry, radiation research, and reactor monitoring.

**Current Activities:** TN currently exports to the United States, United Kingdom, Germany, Italy, Japan, Korea, Hong Kong, and Australia.

## Trojan Technologies Inc.

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845 Consortium Crt.  
London, ON  
N6E 2S8

Tel: 519/685-6660      Fax: 519/681-8355

Contact: Mr. Marvin DeVries  
*Marketing Manager*

### WATER & WASTEWATER

#### *Ultraviolet Light Disinfection Systems*

**Company/Product:** Since 1976 Trojan Technologies Inc. has specialized in ultraviolet disinfection, specifically in the areas of research, product development, systems design, marketing, manufacturing, and service.

Trojan Technologies Inc. provides technological solutions to the common problem of microbial and toxic pollution in water. Trojan conducts research into commercial applications for UV technology, designs products which use this technology, and manufactures and distributes UV water and wastewater disinfection equipment and systems for municipal, industrial, and residential use. Trojan now employs over 65 people at its headquarters in London, Ontario. Marketing is done through a network of agents, manufacturers, and representatives throughout three continents. Trojan's European headquarters are located in The Hague, Holland.

Trojan has grown by investing a large portion of its revenues in research and product development. This has been the key to the growth of the company. Its philosophy is to develop cost effective technologies which can be used to improve the quality of the environment.

Trojan has developed products for three distinctive markets: For UV disinfection of municipal wastewater treatment plants, the System UV2000 was approved for use by the Ontario Ministry of Environment in 1983. It has achieved major breakthroughs in capital and operating costs, unmatched by any competitive water treatment system - UV or chemical. This system has now been replaced by the System UV3000, a system that incorporates the latest technology in electronics, programmable logic controls, and modems.

Also available are low capacity (gallons per minute) UV sterilizers for home and commercial use and high capacity (hundreds of thousands of gallons per day) pressurized UV sterilizers for industrial and institutional systems.

In 1993, Trojan will introduce high intensity UV systems to supply a new market segment: municipalities and cities treating combined sewer overflow (CSO) and stormwater runoff (SRO).

Factory seminars for consulting engineers, regulatory agencies, and Trojan's representatives are being held on an ongoing basis. Visits to operational UV systems are

continually being arranged, so that potential customers can verify the suitability of Trojan's technology to their applications.

**Current Activities:** The firm's emphasis in marketing has been placed on the development of a professional network of manufacturers' representatives. Trojan's network of over 70 representatives in the USA, Canada, and overseas are of the highest quality. This network of local professionals enables the firm to respond quickly and efficiently to its customers' needs.

**Contact Sought** Trojan Technologies, Inc. looks for sales representative companies which have strong engineering capabilities, proven expertise in waste water treatment applications, compatible technologies for wastewater treatment, and strong commitment (with necessary resources) to engage in an aggressive and comprehensive marketing effort. With approximately 70% market share in the global waste water UV disinfection market, Trojan is strategically positioned to offer strong support to interested parties.

## Trow Consulting Engineers Ltd.

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1595 Clark Blvd.  
Brampton, ON  
L6T 4V1

Tel 416/793-9800      Fax: 416/793-0641

Contact *Mr. Eric Veska*  
*Manager, Environmental Division*

HAZARDOUS WASTE  
MONITORING  
OIL SPILL  
RECYCLING  
RESOURCE MANAGEMENT  
SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

*Audits/Assessments*  
*Consulting Services (Acid Rock Drainage, Engineering, Geological & Petroleum, Management)*  
*Groundwater Treatment*  
*Hazardous Material Management/Services*  
*Hydrogeological Surveys*  
*Multi-Disciplinary Services*  
*Project Management Services*  
*Remediation Services*  
*Site Clean-up Management*  
*Site Inspection*  
*Sludge Handling/Treatment*  
*Soil Treatment/Reclamation*  
*Spill Containment*  
*Tanks, Treatment/Storage*  
*Wastewater Treatment Services*

**Company/Product:** Founded in 1957, Trow Consulting Engineers Ltd. has thirteen branches in Ontario and others in Montreal, Vancouver, Chicago, and Boston. Trow Consulting Engineers Ltd. provides advice, evaluation,

testing, specifications, quality assurance, and specialist design services in all areas of construction.

These areas of expertise include: geotechnical engineering, hydrogeology, environmental assessment, waste management, pavement engineering, building science and technology, building services (HVAC) commissioning, concrete technology, grouting and special techniques, rehabilitation, and mining and rock mechanics. In 1990, the company had sales of \$ 33 million.

**Contact Sought.** Trow would like to develop contacts in Eastern Europe who are in need of site remediation services. The environmental division's specialty at Trow is in site remediation, including but not limited to soil washing, vapour extraction, pump, treatment, etc. Environmental division staff include individuals of several origins including Dutch, German, Russian, French and Latvian.

#### Turbotak Technologies Inc. \_\_\_\_\_

A-14 - 550 Parkside Dr.  
Waterloo, ON  
N2L 5V4

Tel. 519/885-5513      Fax: 519/885-6992

Contact: *Mr. Edward Spink*  
*Vice President*

#### AIR POLLUTION CONTROL

*Absorbers, Gases Piping*  
*Air Pollution Control*  
*Scrubbers*

**Company/Product:** Turbotak Technologies Inc. designs air pollution control systems. Turbotak is a spin-off company resulting from research carried out at the University of Waterloo Chemical Engineering Department over 15 years. Turbotak Technologies has sales representatives and licensees in Canada, the USA, Sweden, Ireland, Malaysia, and Chile.

The company's business purpose is to design, engineer, and supply wet scrubbers for difficult industrial air pollution situations. Additionally, Turbotak nozzle systems are used for gas cooling, gas quenching, and spray drying applications.

In the pulp and paper industry, scrubbers have been successfully sold for particle removal from hog fuel or refuse boilers, chlorine dioxide removal, and TRS abatement. General purpose scrubbers have been designed and sold for NO removal, hydrofluoric, hydrochloric sulphur dioxide and hydrogen sulphide acid fumes, odours, sodium hydroxide mist, and metallic oxides from foundry and smelter operations.

**Current Activities:** Turbotak Technologies Inc. would like to develop contacts with end users; engineering firms and

consultants who need air pollution control equipment to control particulate, acid gases, and odours.

#### UMA Engineering Ltd. \_\_\_\_\_

5080 Commerce Blvd  
Mississauga, ON  
L4W 4P2

Tel. 416/238-0007      Fax: 416/238-0038

*Contact: Dr. C.J. Edmonds*  
*Vice-President & Division Manager*

HAZARDOUS WASTE  
MONITORING  
NOISE POLLUTION CONTROL  
OIL SPILL  
RECYCLING  
RESOURCE MANAGEMENT  
SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

*Acid Mine Drainage Services*  
*Aerial Photography/Mapping*  
*Audits/Assessments*  
*Biological Wastewater Nutrient Treatment*  
*Composting*  
*Composting Plants*  
*Consulting Services (Acid Rock Drainage, Energy Planning)*  
*Emergency Response Systems*  
*Energy Management Systems*  
*Engineering & Construction*  
*Geotechnical Studies*  
*Groundwater Monitors*  
*Groundwater Treatment*  
*High-Tech Surveying & Integrated Systems*  
*Hydrogeological Surveys*  
*Information Management Systems*  
*Infrastructure Design*  
*Mine Waste*  
*Plating Waste Treatment*  
*Pollution Abatement Services*  
*Project Management Services*  
*Public Works Engineering*  
*SCADA Systems for Remote Monitoring & Control*  
*Sludge Handling/Treatment*  
*Wastewater Treatment Services*  
*Water Pollution Control*

**Company/Product:** The UMA Group was founded as a partnership in 1911 and was incorporated in 1952 as Underwood McLellan & Associates Limited. In 1977, the group was reorganized and today it is the parent organization of a number of associated operating companies providing consulting and project management services to the private and public sectors. All shareholders are employees.

The present staff complement amounts to approximately 1,150 employees, including planners, scientists, engineers, project managers, economists, and other professionals. The size of the company is probably best measured by the

annual value of fees generated, which amounted to \$148 million in 1991. As the UMA Group is diversified in its concentrations, different operating companies have been formed. This list includes: UMA Engineering Ltd., UMA Operations Management Ltd., UMA Spantec Ltd., Spantec Constructors Ltd., UMA Corporate, and UMATAC Industrial Processes.

UMA Engineering Ltd. has the skills, ability, experience, and resources to undertake policy advice and development, project management, science and engineering studies and design, contract administration, and facilities operation. The scope of the firm includes the disciplines of civil, environmental, mining, water resources, geotechnical, sanitary, irrigation, electrical, and mechanical engineering, planning, risk assessment, aquatic and terrestrial biology, and ecology.

**Current Activities:** Principal offices of the UMA Group are located in British Columbia, Alberta, Saskatchewan, Manitoba, Ontario, Nova Scotia, the North West Territories, and the Yukon, as well as in California and Missouri in the United States. Overseas offices are established on a project basis and have included such countries as Antigua, Barbados, China, Chile, Costa Rica, Ecuador, Egypt, Honduras, India, Malaysia, Mauritius, Puerto Rico, St. Lucia, St. Vincent, Tanzania, Thailand, Venezuela, Zambia, and Zimbabwe.

**Contact Sought:** UMA wishes to offer consulting and industrial services, alone or in joint-venture with local firms, anywhere in the world.

#### **Unifin International Inc.**

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1030 Clarke Side Rd.  
P.O. Box 5395, Station B  
London, ON  
N6A 4P4

Tel: 519/451-0230      Fax: 519/451-1732

Contact: Mr. Tom Yu  
*International Sales Manager*

#### AIR POLLUTION CONTROL

*Central Air Handling Systems  
Heat Exchangers/Energy Recovery*

**Company/Product:** Unifin International Inc. is a leading designer and manufacturer of industrial heat transfer equipment. It was established in London, Ontario in 1920. As the company's products gained wider recognition, the business grew into the United States and international markets. During this same period, Unifin acquired two additional production facilities, Cardinal Pumps and Exchangers in Salem, Ohio, and Universal Exchangers in Montreal. In 1991, Unifin was acquired by Koch Industries and became a member of the Koch Heat Transfer Group. Koch is one of the largest privately held corporations in the U.S. with over 12,000 employees worldwide.

Unifin International's main product lines are electrical apparatus coolers and steam air preheaters for boilers and incineration plants. Electrical apparatus coolers include transformer oil coolers and pumps, surface air coolers for hydroelectric stations, and coolers for large motors.

**Current Activities:** Unifin products are installed in power stations, pulp and paper mills, and incineration plants around the world. Major markets are located in Canada, the United States, Japan, Scandinavia, and the NIC's.

**Contact Sought:** Unifin would like to develop contacts with power utilities in Africa, Latin America, and South East Asia with the goal of replacing the existing heat transfer equipment. Unifin has the experience and expertise to match the performance and dimensions of heat transfer equipment manufactured by other suppliers.

#### **Universal Handling Equipment Company Ltd.**

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100 Burland Crescent  
P.O. Box 3488, Stn C  
Hamilton, ON  
L8H 7M1

Tel: 416/547-0161      Fax: 416/547-3364

Contact: *Mr. Duane Fast*  
*President*

**RECYCLING  
RESOURCE MANAGEMENT  
SOLID WASTE**

*Balers  
Containers (Drums)  
Compactors  
Transfer Equipment  
Waste Glass*

**Company/Product:** Universal Handling Equipment Company Limited is one of the largest Canadian manufacturer of waste handling equipment. The firm has been established since 1952 with plants in Hamilton, Ontario and Red Deer, Alberta. Each plant is equipped with large facilities, modern technology, and competent engineers working with the "Cad Cam" system.

Universal offers a full range of waste handling equipment necessary in the collection of municipal waste. The firm's mobile equipment line consists of various models of front-end loaders, rear-end loaders, roll-off hoists, luffer systems, transfer and roll-off trailers. Also manufactured is a full line of containers which work in conjunction with these systems. Most importantly, Universal offers a complete product line of recycling equipment including balers.

Universal also manufactures a variety of stationary compactors. These range from apartment size compactors to heavy-duty compactors primarily used in industry, as well as transfer station compactors which are used by municipalities. Universal is able to provide its customers

with the equipment and expertise to address their waste handling situations.

**Current Activities:** Universal Handling Equipment Company Limited concentrates its marketing efforts on targeting the waste hauling industry and municipal and outside tenders.

Universal Handling presently exports products to the United States and offers its products to companies which are exporting to other countries.

**Contact Sought:** Universal Handling Equipment Company Ltd. is looking to develop contacts within the private or public sector who are looking for a company to manufacture and export waste handling and recycling equipment to new markets worldwide.

#### VHB Hickling

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2 Carleton Place, Suite 901  
Toronto, ON  
M5B 1J3

Tel: 416/593-1377      Fax: 416/593-1377

Contact: *Mr. Murray Trott*

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
RECYCLING  
RESOURCE MANAGEMENT  
SOLID WASTE  
WATER & WASTEWATER

*Audits/Assessments*

*Consulting Services (Energy Planning, Management, Resource Management)*

*Economic Planning/Analysis*

*Energy Management Systems*

*Financial Services*

*Hazardous Material Management/Services*

*Market Research*

*Multi-Disciplinary Services*

*Natural Resource Management*

*Project Management Services*

*Public Consulting*

*Simulators*

*Training Programs/Films/Books*

*Transportation*

*Workshop Facilitation*

**Company/Product:** VHB Hickling, a division of Hickling Corporation, offers professional consulting services. Its staff of economists, environmental scientists, engineers, statisticians, and management consultants provide high quality services to clients requiring economic, environmental, energy, and institutional analysis and management. VHB Hickling uses a blend of various disciplines in the development of effective analytical tools, concepts, and management practices which it uses in the creation of strategies for addressing complex issues.

A wide range of analytical techniques including economic analysis, environmental planning and analysis, life-cycle analysis, market research, multi-media analysis, resource planning, and modelling and simulation are used. The firm's services extend to a wide range of issues including commercial and institutional development, environment-economy linkages, energy use and planning, information systems analysis, greenhouse gases, transportation, sustainable development, technology assessment, waste management, facilitation, and human resource development and training.

**Current Activities:** Together with Hickling Corporation, VHB Hickling has implemented and participated in projects in over 15 developing countries and the United States. The firm's objective in every project is to provide its clients with a practical strategy to arrive at the optimal solution to their environment management problems.

#### Waste Business Int'l Magazines

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200 - 85 Somerset Ave  
Toronto, ON  
M6H 2R3

Tel: 416/658-7519      Fax: 416/658-9708

Contact: *Mr. Matthew Keegan*

HAZARDOUS WASTE

*Publications*

**Company/Product:** Waste Business Int'l Magazines produces two publications for the environmental sector: Waste Business Magazine and the Haz-Pages Directory. Both publications serve the entire North American market and list Canadian and American firms which are active in the waste business.

#### Wastewater Technology Centre (WTC)

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867 Lakeshore Rd.  
P O Box 5068  
Burlington, ON  
L7R 4L7

Tel: 416/336-4588      Fax: 416/336-8912

Contact: *Dr. B.E. Jank*  
CEO

SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

*Audits/Assessments*

*Computer Management Systems/Software*

*Instrumental Systems*

*Research Services*

*Site Clean-up Management*

*Site Inspection*

*Soil Treatment/Reclamation*

*Solid Waste Treatment Services*

*Wastewater Treatment Services*

*Water Pollution Control*  
*Water Waterflood Injection & Treatment Plants*

**Company/Product:** Wastewater Technology Centre (WTC) was established in 1971 by Environment Canada as a research and development laboratory. In 1991, the government-owned WTC-RRM came under the contractual supervision of RockCliffs Research Management Inc. The WTC/RRM develops and evaluates treatment and disposal technology for municipal and industrial wastewater and associated residues. In addition to providing support to government programs and priorities, the WTC/RRM is now better positioned to develop and commercialize innovative technology.

Technical Services divisions carry out the design, fabrication, and construction of pilot scale facilities and instrumentation systems in support of research, technology development, and demonstration projects. Research into analytical methods and advice on sampling protocols and data interpretation are essential services provided by the WTC/RRM Laboratory. Computer professionals support program initiatives involving statistical analysis and database application.

**Current Activities:** The Wastewater Technology Centre currently has operations in the United States, Latin America, Europe, and various Pacific Rim countries.

**Contact Sought:** The Wastewater Technology Centre is interested in partnerships and joint ventures for the development and implementation of marketable solutions for environmental problems. WTC/RRM offers an international network of consultants and university researchers specializing in specific areas of the industry.

**Water and Earth Science Associates Ltd.**

3108 Carp Rd.  
P.O. Box 430  
Carp, ON  
K0A 1L0

Tel: 613/839-3053      Fax: 613/839-5376

Contact: *Mr. Derek P. Smith*  
*President*

**HAZARDOUS WASTE**  
**MONITORING**  
**RESOURCE MANAGEMENT**  
**OIL SPILL**  
**SOLID WASTE**  
**RECYCLING**  
**SITE RECLAMATION**  
**SOLID WASTE**  
**WATER & WASTEWATER**

*Activated Carbon Treatment Systems*  
*Audits/Assessments*  
*Clean-up Services*  
*Consulting Services (Acid Rock Drainage, Engineering,*  
*Geological & Petroleum, Pulp & Paper)*  
*Decontamination Systems*

**Engineering & Construction**  
**Geophysical Services**  
**Groundwater Exploration & Development**  
**Groundwater Monitors**  
**Groundwater Treatment**  
**Hazardous Material Management/Services**  
**Hydraulic Modelling & Research**  
**Hydrogeological Instrumentation**  
**Hydrogeological Surveys**  
**Independent Inspection**  
**Leachate Treatment**  
**Liners (Landfills, Ponds, Pits)**  
**Mine Waste**  
**Multi-Disciplinary Services**  
**Natural Resource Management**  
**Pilot Plants for Process Research**  
**Pollution Abatement Services**  
**Public Consulting**  
**Pulp & Paper Engineering/Technology**  
**Remediation Services**  
**Research Services**  
**Site Clean-up Management**  
**Site Inspection**  
**Sludge Handling/Treatment**  
**Soil Treatment/Reclamation**  
**Solid Waste Treatment Services**  
**Supervisory Control Systems**  
**Technology Transfer & Licensing Office**  
**Testing of Toxic Substances/Aquatic Setting**  
**Toxicity (Analysis)**  
**Training Programs/Films/Books**  
**Waste Encapsulation**  
**Wastewater Treatment Services**  
**Water Pollution Control**  
**Well Disposal Systems**

**Company/Product:** Established in 1976, Water and Earth Science Associates Ltd. (WESA) is one of the largest environmental consulting firms in Eastern Canada. Originally established in Carp (Ottawa), the firm has grown substantially over the past 17 years and now has permanent offices in 3 other centres in Ontario, Quebec, and in the United Kingdom.

WESA has a professional staff of over 50 civil and environmental engineers, hydrogeologists, environmental auditors, and support staff. WESA provides professional consulting services in the areas of contaminant hydrogeology, industrial decommissioning, environmental audits, site remediation, waste management, water audits, wastewater treatment, and environmental engineering. WESA prides itself on finding cost-effective and technically viable solutions to environmental problems.

**Current Activities:** WESA has completed over 1500 projects in Canada, the United Kingdom, the Caribbean, Mexico, and Africa. These projects have been carried out for both private and public sector institutions including national governments, multi-national corporations, and multi-lateral institutions.

**Contact Sought:** WESA would like to develop contacts with senior officials in both the public and private sectors

in the above-mentioned regions as well as in Southeast Asia. The company is particularly interested in identifying potential clients in private manufacturing industries, waste disposal firms, local, regional, and national governments, and insurance/banking/real estate institutions involved in land transactions. Furthermore, the firm is very interested in identifying consulting companies with complementary skills with whom it may carry out projects jointly.

#### **Waterloo Centre for Groundwater Research**

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University of Waterloo,  
Waterloo ON  
N2L 3G1

Tel: 519/885-1211 ext 2892 Fax: 519/725-8720

Contact: *Dr. Richard Thomas,*  
*Director*

**WATER & WASTEWATER  
MONITORING  
SITE RECLAMATION**

*Groundwater Research*

**Company/Product:** Fundamental & applied research on groundwater; transfer of this knowledge & resulting technologies to the Ontario groundwater industry to promote the development of this industry; funds research in groundwater contamination by organic chemicals; watershed hydrology; arctic hydrology; mine tailings; agricultural activities; septic systems; groundwater resources development & mathematical modelling of groundwater systems. Markets Served: Ontario, Africa, Central America, Pacific Rim, South America, U.S.A.

#### **WCI Wood Conversion Inc.**

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69 Eastern Ave.  
Brampton, ON  
L6W 1X9

Tel: 416/450-5515 Fax: 416/450-5660

Contact: *Mr. Erwin Leonov*  
*Vice-President*

**RECYCLING  
SITE RECLAMATION  
SOLID WASTE**

*Absorbents*  
*Composting Plants*  
*Consulting Services (Forestry)*  
*Detectors (Gas)*  
*Energy Management Systems*  
*Energy Recovery*  
*Incinerators (Liquids)*  
*Plastic Wood*  
*Recycling (Wood Chips, Wood Waste)*  
*Shredders/Crushers*  
*Soil Treatment/Reclamation*  
*Waste Encapsulation*  
*Waste Transfer*

**Company/Product:** In co-operation with the regional municipality of Peel and the Ontario Ministry of the Environment, WCI has established a waste wood processing and recycling centre in Brampton, Ontario. Introduced in June of 1989, the centre is achieving 95% diversion of waste wood from landfills.

To maintain and sustain long-term viability, WCI has established a research and development program to develop markets for waste wood and to design and engineer innovative process equipment.

WCI also sells complete turn-key systems which offers a full-service approval to waste management systems, ensuring safe and reliable waste disposal.

**Current Activities:** WCI is currently evaluating the export market. The global market is expanding with a growth rate of close to 100% per annum forecasted over the next five years.

#### **Weiss Systems Inc.**

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P.O Box 1569, Stn. "B"  
Mississauga, ON  
L4Y 4G3

Tel 416/279-2885 Fax: 416/279-2279

Contact: *Mr V Stan Weiss*  
*President*

**AIR POLLUTION CONTROL  
MONITORING  
RESOURCE MANAGEMENT  
WATER & WASTEWATER**

*Computer Management Systems/Software  
Consulting Services (Energy Planning, Engineering,  
Geological & Petroleum, Management, Pulp & Paper)  
Engineering & Construction  
Instrumentation Systems  
Project Management Services  
Pulp & Paper Engineering/Technology*

**Company/Product:** Weiss Systems Inc. is a private company, established in 1965, which has a focus on systems integration, consulting, and design services for process control and automation projects. The scope of supply covers a broad field of turnkey operations, computer interface, control centre design, logic development and design instrumentation, electrical design and cable conduit specifications. A software program for Control System and Data Management is also available.

The result of focusing on the control segment of manufacturing processes is experience in a wide variety of industries. Industries served have included food, pharmaceuticals, forest products, organic and non-organic chemicals, automotive, industrial gases, rubber, plastics, and petroleum refining. Primary industries served have been smelting, refining, mining, and mineral processing.

Experienced staff provide services for project management, feasibility studies, and on-site installation supervision and commissioning. Weiss has the resources to provide engineering design services for a large number of applications. Included among the applications are control systems for combustion, continuous and batch processes, energy monitoring, and programmable logic controlled engineering.

#### William R. Perrin Company Ltd.

432 Monarch Ave  
Ajax, ON  
L1S 2G7

Tel: 416/683-9400      Fax 416/427-2361

Contact: Mr. D.J. Hutchison  
President

HAZARDOUS WASTE  
WATER & WASTEWATER

*Filters*  
*Filter Systems*  
*Mine Waste*  
*Water Pollution Control*

**Company/Product.** Established in 1885, Perrin is a privately held Canadian corporation with its head office and manufacturing facilities located in Ajax, Ontario, and a branch in Tulsa, Oklahoma, and Brown's Mills, New Jersey. In its specific field of endeavour, Perrin is one of the leading manufacturers in North America. Perrin's filtration equipment is recognized throughout industry for its superior design and quality, and the firm has a strong follow-through service commitment.

Perrin manufactures a complete range of solids/liquids separation equipment consisting of manual and fully automatic filter presses, screw presses, continuous filter belt presses, and continuous belt thickeners. This equipment is used for process filtration in various industries such as food processing, petrochemical, pigments/dyestuffs, metal refining, ceramic, and specialty chemicals. On the environmental side, a great deal of the firm's equipment is used for sludge dewatering of industrial and municipal wastes.

**Current Activities.** The firm's marketing is carried out by Perrin's own sales staff as well as by manufacturer's representatives throughout North America and around the world. Manufacturing licensing agreements for Perrin's equipment is in place in Europe and Brazil. In addition, Perrin has a joint venture manufacturing plant located in Amsterdam, Holland. Currently the firm's major export markets are the USA, South America, Europe, Australia, and the Pacific Rim.

**Contact Sought.** Perrin is interested in developing further joint ventures with companies of similar or allied technology specifically in South America, the Pacific Rim area, and Russia. The firm is also interested in a

manufacturing/licensee arrangement with another company, having compatible equipment, which could utilize the metal working facilities at Perrin's plant.

#### Zenon Environmental Inc.

845 Harrington Court  
Burlington, ON  
L7N 3P3

Tel: 416/639-6320      Fax 416/639-1812

Contact Mr. Ron W. Clifton  
Corporate Vice President

MONITORING  
OIL SPILL  
RECYCLING  
WATER & WASTEWATER

*Analytical Services*  
*Audits/Assessments*  
*Biological Wastewater Nutrient Treatment*  
*Clean-up Services*  
*Computer Management Systems/Software*  
*Consulting Services (Engineering, Pulp & Paper)*  
*Data Acquisition/Processing*  
*Emergency Response Equipment*  
*Emergency Water Supply*  
*Engineering & Construction*  
*Filters*  
*Flocculators*  
*Gas/Liquid/Solid Separation Equipment*  
*Groundwater Monitors & Treatment*  
*Hydrocarbon Process Equipment*  
*Laboratories, Testing/Mobile & Fixed*  
*Leachate Treatment*  
*Oil/Water Separators*  
*PCB Treatment/Disposal*  
*Pilot Plants for Process Research*  
*Plating Waste Treatment*  
*Pulp & Paper Engineering/Technology*  
*Recycling (Lube Oil, Paint Waste)*  
*Remediation Services*  
*Research Services*  
*Reverse Osmosis Ultrafiltration*  
*SCADA Systems for Remote Monitoring & Control*  
*Sludge Handling/Treatment*  
*Soil Treatment/Reclamation*  
*Spill Clean-up Equipment*  
*Supervisory Control Systems*  
*Tanks, Treatment/Storage*  
*Testing of Toxic Substances/Aquatic Setting*  
*Toxicity (Analyzers)*  
*Wastewater Treatment Services*  
*Water Pollution Control*

**Company/Product.** Zenon Environmental Inc., established in 1980, is one of the world-leading providers of advanced technology products and services that help industry purify and recycle water and waste. Zenon operates three principal business segments from eight locations in North America and Europe. Zenon currently employs 300 people and directs operations from its headquarters in Burlington, Ontario.

The environmental separation systems segment of Zenon produce an extensive range of both standard and custom-engineered water and wastewater treatment systems. Examples of the segment's products include fully computer-controlled and automated systems for the production of ultra-pure water used in pharmaceutical manufacturing, systems for separating oily water emulsions in manufacturing industries, and transportable systems capable of purifying water to drinking level in military or disaster relief situations.

The process engineering and separation technologies segment develops, fabricates, and applies membranes and related technologies. Membranes are advanced materials capable of precise molecular separations and are ideally suited to purifying and recycling water and waste. The company works closely with strategic corporate partners to develop and commercialize these advanced technologies for the solution of environmental and process problems.

Finally, the environmental laboratory services segment operates one of Canada's largest private sector networks of environmental testing laboratories, capable of testing for a wide range of compounds including dioxins, PCBs, other trace organics, pesticides, heavy metals, and a multitude of other regulated pollutants.

**Current Activities:** Zenon's market focus is on serving governments and leading multinational companies in the automotive, pharmaceutical, and chemical sectors. To deliver the company's products, Zenon has established regional offices across Canada and the eastern U.S.A.. Zenon has also established a Western European head office in the Netherlands, and is participating in a venture in Hungary to serve Eastern Europe.

**Contact Sought:** In the future, Zenon plans to systematically improve access to its clients through a strong network of regional sales, engineering, and service centres across North America, Europe, and Asia. In this way, the company will be able to serve its multinational clients wherever they operate. Also, the company will gradually increase its presence in the petrochemical, pulp and paper, power, and food and beverage markets.

#### Zimmark Inc. \_\_\_\_\_

4380 South Service Rd  
Burlington, ON  
L7L 5Y6

Tel: 416/632-5410      Fax: 416/632-5171

Contact: *Mr. Lowell A. Wilson*  
*President*

RECYCLING  
WATER & WASTEWATER

*Clarifiers*

*Oil/Water Separators*  
*Recycling (Lube Oil)*  
*Water Purifiers*

**Company/Product:** Zimmark offers on-site systems for the recycling of hydraulic and process oils as well as concentrated washwaters. Transit companies, marine/naval shipping firms, and countries producing electric power with diesel generators are among the potential customers for these systems. The systems offer significant cost savings and reduce toxic waste volumes. The recycling process recovers 90 percent of used lube oil with the help of a chemical coagulant. Dirt and metal contaminants are removed and then the recycled oil is blended with new oil. The process retains additives that are still active.

Zimmark will install, operate, and manage the system on-site and work closely with shop management personnel.

**Current Activities:** Zimmark has installed systems at major railyards in Canada, the U.S., and the Far East.

## LIST OF PRODUCTS/SERVICES

Absorbents	Composting
Absorbers	Sawdust
Gases Piping	Plants
Liquid Piping	Composting Technology
Acid Mine Drainage Services	Computer Management Systems/Software
Acid Rain Samplers	Consulting Services
Activated Carbon Treatment Systems	Acid Rock Drainage
Adsorbers	Energy Planning
Aerators	Engineering
Aerial Photography/Mapping	Forestry Management
Afterburners	Management
Air Filters, Bags, Boosters	Pulp & Paper
Air Pollution Control	Geological & Petroleum Engineering
Air Quality Systems	Containers
Alarms	Drums
Alternative Fuel Systems	Litter
Analytical Services	Recycling
Analyzers	Control Valves
Gases	Converters
Liquids	Conveyors
Sludge	Cooling Towers
Solids	Covers, Tank & Pond
Asbestos Control/Abatement	Crushers
Audits/Assessments	Cyanide Recovery and Recycling
Backflow Preventers	Data Acquisition/Processing
Bacterial Cultures	Decommissioning
Balers	Decontamination Systems
Bins, Bulk Storage	Detectors
Biological Wastewater Nutrient Treatment	Detectors (Gas)
Blenders	Disposal Services
Blowers	Distillation
Boilers	Drilling Equipment/Services
Booms, Spill Control	Dryers
Burners	Economic Planning/Analysis
Cable Processing Equipment	Economics, Environmental
Catalysts	Educational Material
Cathodic Protection	Effluent Bio-Assays
Central Air Handling Systems	Electric Motor Drive Systems
Central Composting Systems	Emergency Response Equipment
Centrifuges	Emergency Response Services
CFC Reclaimers	Emergency Response Systems
Chemical Analysis Services	Emergency Water Supply
Chemical Feeders	Emissions Testing
Chemicals, Environmentally Safe	Enclosures
Chemicals, Treatment	Energy Management Systems
Chromatographs and Accessories	Energy Recovery
Clarifiers	Engineering (Management)
Clarifiers, Waste Material	Engineering & Construction
Classifiers, Waste Material	Evaporators (Wastewater)
Clean-up Services	Fabric Filters
Clothing, Protective	Fans
Communitors	Feeders, Vibrating
Communication Equipment	Filters
Compactors	Filters, Strainers

Filter Systems	Liners
Financial Services	Landfills
Flootation Systems	Ponds
Flocculators	Pits
Flotation Systems	Liquid/Solid Separation Equipment
Flowmeters	Magnets for Scrap Handling
Fusion/Footage Tools	Management/Services
Gas/Liquid/Solid Separation Equipment	Mapping, Geological
Geographic Information Systems Software	Market Research
Geological & Petroleum Engineering	Material Handling Containers
Geophysical Equipment	Medical Services
Geophysical Services	Metal Recovery Systems
Geotechnical Studies	Meteorological Instrumentation
Geotextiles	Meters
Groundwater Exploration & Development	Mine Waste
Groundwater Monitoring	Mixers
Groundwater Monitors	Modular Electronic Equipment
Groundwater Monitors & Treatment	Monitors
Groundwater Treatment	Air
Handling Equipment	Gases
Hazardous Material Incinerators (Waste)	Liquids
Hazardous Material Management/Services	Sludge
Heap Leach Pad Reclamation/Detoxification	Multi-Disciplinary Services
Heat Exchangers	Natural Gas Vehicle Refuelling Stations
Heat Exchangers/Energy Recovery	Natural Resource Management
High-Tech Surveying & Integrated Systems	Negative Ionizers
Hydraulic Modelling & Research	Noise Controls
Hydrocarbon Process Equipment	Oceanographic Instruments
Hydrocarbon Processing	Odour Controls
Hydrogeological Instrumentation	Oil/Water Separators
Hydrogeological Surveys	Oil Production & Refinery
Hydrographic Charting	Oil Skimmers
Incinerators	Oil Sludge Digesters
Fume	Ozone Generating Equipment & Services
Liquids	Package Treatment Systems
Waste	PCB Treatment/Disposal
Independent Inspection	PCB Treatment Systems
Information Management Systems	Photocatalytic Oxidation Systems
Infrastructure Design	Pilot Plants for Process Research
Infrastructure Design/Strengthening	Pipe Rehabilitation Systems
Infrastructure Management Systems	Pipes, Valves, Fittings
Inspection	Plastic Wood
Design	Plating Waste Treatment
Materials	Policy Development
Soil	Pollution Abatement Services
Instrumentation Systems	Positive Seal Dampers
Ion Exchangers	Power Demand Monitors
Laboratories	Power Supply Services
Laboratories, Testing/Mobile & Fixed	Precipitators
Labware	Project Management Services
Landfill Design	Protectors for Pump Mechanical Seals
Landfill Liners	Publications
Laser Radar	Public Consulting
Leachate Treatment	Public Works Engineering
Leak Detectors/Prevention	Pulp & Paper Engineering/Technology
Leasing Services	Pump Parts
Level Monitors	Pumps

Sludge	Telemetry
Solar Operated	Television Sewer Inspection
Radioactive Material Disposal	Testing of Toxic Substances/Aquatic Setting
Radon Gas/Progeny Detection and Monitoring	Test Kits
Recorders	Thermoformed Plastic Trays
Recycling	Toxicity
Lube Oil	Analysis
Paint Waste	Analyzers
Tire Recycling Equipment	Training
Wood Chips	Training Programs/Films/Books
Wood Waste	Transfer Equipment
Recycling Equipment	Transportation
Rehabilitation of Wastewater Pipes	Hazardous Waste Disposal
Remediation Services	Hazardous Waste
Remote Sensing	Hazardous Waste Disposal
Research Services	Ultraviolet Light Disinfection Systems
Reverse Osmosis Ultrafiltration	Ultraviolet Light Oxidation Systems
Robots/Automated Handling	Vacuum Cleaning
Samplers	Vacuums
SCADA Systems for Remote Monitoring & Control	Valves, Air
Scales/Weighing Equipment	Vehicles
Screening Equipment	Recycling
Scrubbers	Refuse Handling
Sealants	Vacuum Cleaning
Sensors	Remote-Operated
Separators	Sludge Application
Sequencing Batch Reactors	Ventilators
Sewage Shredding	Vibrators
Sewage Shredding/Screening Equipment	Pneumatic
Sewer/Watermain Rehabilitation	Electric
Shredders/Crushers	Hydraulic
Silver Recovery Systems	Waste Disposal Systems
Simulators	Waste Encapsulation
Site Inspection	Waste Glass
Site Clean-up Management	Waste Paper Carts
Site Clean-up Management/Inspection	Waste Transfer
Site Clean-up Services	Wastewater Treatment Services
Sludge Handling/Treatment	Water/Waterflood Injection & Treatment Plants
Soil Treatment/Reclamation	Water and Sewage Control Gates
Solar Photovoltaic Power Systems	Water and Wastewater Treatment Services
Solid Waste Treatment Services	Water Encapsulation
Source Separation Containers	Water Pollution Control
Spill Clean-up Equipment	Water Purifiers
Spill Containment	Water Softeners
Spill Monitors	Water Waterflood Injection & Treatment Plants
Supervisory Control Systems	Well Disposal Systems
Suspended Solids Monitors	Wind-Related Studies
Tank Land-Spill Liners	Workboats
Tanks, Treatment/Storage	Workshop Facilitation
Technology Transfer & Licensing Office	







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